

SOUVICK GHOSH, Ph.D.

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PERSONAL PROFILE

- [Assistant Professor](#) (Tenure-Track), School of Information, San Jose State University, 2020 – Present.
- Co-lead, Human-Centered AI Certificate, College of Information, Data, and Society (CIDS), Fall 2024 – Fall 2025.
- Co-lead, Human-Centered AI Minor, College of Information, Data, and Society (CIDS), Summer 2025 – Fall 2026.
- Director, [Intelligent Conversational Agents and Neural Networks \(ICANN\) Lab](#), 2020 – Present.
- AI Consultant and Co-Applicant, [InterPARES Trust AI](#) (on projects “Employing AI for Retention & Disposition in Trusted Digital Recordkeeping Repositories” and “Personal Information Content Assessment”), 2021 – Present.
- Academic Coordinator, Bachelor of Science in Information Science and Data Analytics, School of Information, San Jose State University, 2023 – 2024.
- Program Coordinator, Bachelor of Science in Information Science and Data Analytics, School of Information, San Jose State University, 2020 – 2023.

RESEARCH INTERESTS

My research interests are [Conversational AI](#), [Ethical AI](#), and [Applied AI](#). I am a mixed-methods researcher specializing in applications of [Artificial Intelligence \(AI\)](#), [Human-Computer Interaction \(HCI\)](#), and [Natural Language Processing \(NLP\)](#) techniques to solve problems in Information Retrieval (IR) and Data Science. My current research focuses on ethical conversational systems and trustworthy AI applications for decision-making.

EDUCATION

- [Ph.D. in Communication, Information, and Media](#)
 - [Name of Institution](#): Rutgers University, New Brunswick
 - [Advisor](#): Dr. Chirag Shah (University of Washington at Seattle)
 - [Ph.D. Committee Members](#): Prof. Nicholas Belkin (Rutgers University), Dr. Vanessa Murdock (Amazon Research), and Dr. Katherina Ognyanova (Rutgers University).
 - [Award](#): [Outstanding Graduating Student \(Information Science\) Award](#), School of Communication and Information, Rutgers University; Runner-up, [iSchools Doctoral Dissertation Award 2021](#).
- [Master’s in Computer Science and Engineering](#)
- [Bachelor’s in Computer Science and Engineering](#)

PUBLICATIONS

Research Domains:

Applied AI; Ethical AI; Conversational AI; Human-Computer Interaction; Computational Social Science; Machine Learning; Natural Language Processing.

2020-Present:

Refereed Journal Article (Peer-reviewed):

1. Costa, C. & **Ghosh, S.** (2025). AI and Automation: Harmonizing Machine Efficiency and Human Expertise in Crafting Customer Service Content. At the *Interdisciplinary Journal of Information, Knowledge, and Management*, an Informing Science Institute (ISI) Journal. [Full Paper] [Student Co-author] [Under Review]
2. **Ghosh, S.** & Shah, C. (2025). Spoken Conversational Search: Evaluating the Effect of System Clarifications on User Experience through Wizard-of-Oz Study. In *Journal of the Association for Information Science and Technology*. <http://doi.org/10.1002/asi.24974> [Full Paper] [Acceptance Rate: 8%]
3. **Ghosh, S.**, Gogoi, J., & Chua, K. (2024). Exploring the economics of conversational search sessions. *Aslib Journal of Information Management*, 76(4), 613-628. [Full Paper] [Student Co-author]
4. Bayeck, R. Y., Colavizza, G., Bunn, J., Bell, M., & **Ghosh, S.** (2022). Recommendations on Using Artificial Intelligence in Archival Appraisal and Selection. *Comma*, 2022(1), 219-225. <https://www.liverpooluniversitypress.co.uk/doi/10.3828/coma.2022.22> [Full Paper]

Refereed Conference Papers (Peer-reviewed, Proceedings):

1. Charette, C. & **Ghosh, S.** (2025). From Queries to Conversations: Examining Human-GenAI Information-Seeking Through Belkin's Cognitive Communication Model. In *Proceedings of the Association for Information Science and Technology* [Full Paper] [Student Co-author] [Accepted]
2. Aguiñaga, J., Mooradian, N., **Ghosh, S.**, & Hofman, D. (2025). Evolution of Reference Services in the Era of Generative Artificial Intelligence. In *Proceedings of the Association for Information Science and Technology* [Full Paper] [Accepted]
3. **Ghosh, S.**, Malempati, K., & Charette, C. (2025). Human-AI Collaborative Content Analysis: Investigating the Efficacy and Challenges of LLM-Assisted Content Analysis for TikTok Videos on Palliative Care. In *Proceedings of the Association for Information Science and Technology* [Full Paper] [Student Co-author] [Accepted]
4. Shinde, G., Kirstein, T., **Ghosh, S.**, & Franks, P. C. (2025). Tracing the Past, Predicting the Future: A Systematic Review of AI in Archival Science. In *Proceedings of the Association for Information Science and Technology* [Full Paper] [Student Co-author] [Accepted]
5. Weiss, A., **Ghosh, S.**, & Johnson, F. (2025). Toward a Methodology Using Dehumanization to Understand the Spread of Misinformation. In *Proceedings of the Association for Information Science and Technology* [Short Paper] [Student Co-author] [In Progress]
6. Weiss, A., Ghosh, S., & Johnson, F. (2025, May). Exploring Dehumanization and Infrahumanization as Underlying Factors in Misinformation Belief and Spread. In *Proceedings of the Annual Conference of CAIS/Actes du congrès annuel de l'ACSI*. [Full Paper] **[2025 CAIS Best Paper by a Practitioner Award]** [Student Co-author]
7. Weiss, A., Ghosh, S., & Johnson, F. (2025, March). Exploring Self-dehumanization as a Factor in Misinformation Belief and Spread. In *Proceedings of the 2025 ACM SIGIR Conference on*

Human Information Interaction and Retrieval (pp. 326-332). [Short Paper] [Student Co-author] [Acceptance Rate: 29%]

8. Costa, C., & **Ghosh, S.** (2025). Empowering customer service with generative AI: enhancing agent performance while navigating challenges. *Information Research*, 30(iConf (2025)), 150–158. <https://doi.org/10.47989/ir30iConf47566> [Student Co-author] [Acceptance Rate: 50%]
9. Attar, N., **Ghosh, S.**, Villagran, M. A., & Hofman, D. (2025, April). Enhancing Enrollment and Participation in Computing Ethics through CIRCLE: Cross-Campus Responsible Computing Learning Experiences. In *2025 IEEE Global Engineering Education Conference (EDUCON)* (pp. 1-4). IEEE. [Short Paper]
10. Ghosh, S., **Ghosh, S.**, Dewitt, N., & McCoy, D. (2025). Unmasking Public Sentiment: A Sample Efficient Approach to Analyzing Twitter Opinion on US Aid to Ukraine. In *Proceedings of the 58th Hawaii International Conference on System Sciences (HICSS)*, 2459–2469. [Full Paper] [Student Co-author] [Acceptance Rate: 35-45%]
11. Tai, I. & **Ghosh, S.** (2024). Integrating AI into Library Systems: A Perspective on Applications and Challenges. In *2024 ACM/IEEE Joint Conference on Digital Libraries (JCDL 2024)*. <https://hdl.handle.net/10125/109140>. [Full Paper] [Student Co-author] [Acceptance Rate: 20-23%]
12. **Ghosh, S.**, Ghosh, S., & Shah, C. (2023). Toward Connecting Speech Acts and Search Actions in Conversational Search Tasks. In *2023 ACM/IEEE Joint Conference on Digital Libraries (JCDL)*. p 119-131. DOI: 10.1109/JCDL57899.2023.00027 [Full Paper] [**Vannevar Bush Best Paper Award Nomination**] [Student Co-author]
13. **Ghosh S.**, Thajudeen J. (2023). Voices of the Stacks: A Multifaceted Inquiry into Academic Librarians' Tweets. In *Proceedings of the Association for Information Science and Technology*, 60(1):166-178. ISSN: 2373-9231. [Full Paper] [Student Co-author]
14. Caceres, I. & **Ghosh, S.** (2022). The Sound of Music: From Increased Personalization to Therapeutic Values. In *2022 Information Seeking in Context (ISIC) conference*, Berlin, Germany. [Full Paper] [**Best Paper Nomination**] [Student Co-author]
15. Cannon, E., Crouse, B., **Ghosh, S.**, Rihn, N., & Chua, K. (2022, January). “Don’t Downvote A\\$\\$\\$\\$ s!!”: An Exploration of Reddit’s Advice Communities. In *Proceedings of the 55th Hawaii International Conference on System Sciences*. [Full Paper] [Student Co-authors]
16. **Ghosh, S.** (2021). “Can You Search for Me?”: Understanding and Improving User-System Dialogues for Complex Search Tasks. *Proceedings of the Association for Information Science and Technology*, 58(1), 173-184. [Full Paper]
17. **Ghosh, S.**, & Ghosh, S. (2021). “Do Users Need Human-like Conversational Agents?”—Exploring Conversational System Design Using Framework of Human Needs. In *Proceedings of Second International Conference on Design of Experimental Search & Information REtrieval Systems, Padova, Italy, September 15-18, 2021*. [Full Paper] [Student Co-author]
18. **Ghosh, S.** & Ghosh, S. (2021). Classifying Speech Acts using Multi-channel Deep Attention Network for Task-oriented Conversational Search Agents. In *Proceedings of the 2021 ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR’ 21)*, March 14-19, 2021, Canberra, ACT, Australia. [Short Paper] [Student Co-author]
19. **Ghosh, S.** (2021). Predicting Question Deletion and Assessing Question Quality in Social Q&A Sites using Weakly Supervised Deep Neural Networks. In *Proceedings of the 54th Hawaii International Conference on System Sciences* (p. 2699). [Full Paper]
20. **Ghosh, S.**, & Shah, C. (2020). Identifying Citation Sentiment and its Influence while Indexing Scientific Papers. In *Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS)*. January 7-10, 2020. Grand Wailea, Maui, HI. [Full Paper]

Book:

1. **Ghosh, S.**, Fu, H., Hofman, D., & Mehra, B. (2026). Assessing Artificial Intelligence and Social Justice Intersections: Challenges and Opportunities. In *Advances in Librarianship series, Emerald Group Publishing*. [Book] [Proposal Accepted; Contract Signed; In Progress]

Book Chapter (Editor-reviewed):

1. **Ghosh, S.** (2026). Governing and Designing AI-Mediated Library Services. In *Library and Information Science Education around the World: Historical Trends, Current Perspectives and Future Projections*. IFLA Series Publications. [Book Chapter] [In Progress]
2. **Ghosh, S.** (2023). Sentiment-aware design of human-computer interactions: How research in human-computer interaction and sentiment analysis can lead to more user-centered systems? In *Computational Intelligence Applications for Text and Sentiment Data Analysis* (pp. 209-224). Academic Press. [Book Chapter]

Articles in Research-Intensive Venues (Editor-reviewed):

1. **Ghosh, S.**, & McCoy, D. (2024). Looking ahead: Incorporating AI in MLIS competencies. *School of Information Student Research Journal*, 14(1), 3. [Full Paper] [Student Co-author] [highlighted by InfoDocket: <https://www.infodocket.com/2024/05/29/journal-article-looking-ahead-incorporating-ai-in-mlis-competencies/>]
2. Spina, D., Trippas, J. R., Thomas, P., Joho, H., Byström, K., Clark, L., Craswell, N., Czerwinski, M., Elswiler, D., Frummet, A., **Ghosh, S.**... & Sitbon, L. (2021). Report on the Future Conversations Workshop at CHIIR 2021. In *SIGIR Forum* (Vol. 55, No. 1, p. 22). [Report]
3. **Ghosh, S.** (2021). Designing Human-Computer Conversational Systems using Needs Hierarchy. *School of Information Student Research Journal*, 11(1), 3. [Full Paper]

Conference Panels and Posters (Peer-reviewed, Proceedings):

1. Fu, H., Cao, F., Li, Y., & **Ghosh, S.** (2025). AI Readiness in Libraries: A Technology-organization- environment framework for Action. In *Proceedings of the Association for Information Science and Technology*. [Poster] [Accepted]
2. Fu, H., **Ghosh, S.**, Hofman, D., & Mehra, B. (2025). AI and Social Justice in LIS. In *Proceedings of the Association for Information Science and Technology*. [Poster] [Accepted]
3. Dinh, L., Hong, L., Dumas, C., Patin, B., **Ghosh, S.**, & Khoury, C. (2024). Social Media and Crisis Informatics Research in LIS (SIG-SM). *Proceedings of the Association for Information Science and Technology*, 61(1), 749-753. [Panel]
4. Hofman, D., Novin, A., **Ghosh, S.**, & Mohammadi, E. (2024). AI4LIS: Towards a Research Agenda. *Proceedings of the Association for Information Science and Technology*, 61(1), 767-769. [Panel]
5. **Ghosh, S.**, Gwizdka, J., Lewandowski, D., Reynolds, R., Rieh, S. Y., Heck, T., & Imeri, A. (2023). Search Systems and Artificial Intelligence: Enhancing Searching as Learning Approaches to Counter Misinformation. *Proceedings of the Association for Information Science and Technology*, 60(1), 775-779. [Panel]
6. Dumas, C., **Ghosh, S.**, Hong, L., Karami, A., & Vaidya, P. (2023). Online Incivility and Contextual Factors: Data-Driven Detection and Analysis. *Proceedings of the Association for Information Science and Technology*, 60(1), 770-774. [Panel]

Conference Workshops (Peer-reviewed, Not in Proceedings):

1. Dinh, L., Hong, L., **Ghosh, S.**, Dumas, C., Zheng, H., Ma, C. (2025). 5th Annual Workshop on Social Media Research, Challenges, and Opportunities. At the *Association for Information*

Science and Technology (ASIS&T) Annual Meeting, Washington D.C., USA. [Workshop]
[Accepted]

2. Hong, L., **Ghosh, S.**; Dumas, C.; & Zheng, H. The 4th Annual Workshop on Social Media Research, Challenges, and Opportunities. (2024). At the *Association for Information Science and Technology (ASIS&T) Annual Meeting*, Calgary, Canada. [Workshop]
3. **Ghosh, S.**; Dumas, C.; Karami, A.; & Hong, L. The 3rd Annual Workshop on Social Media Research, Challenges, and Opportunities. (2023). At the *Association for Information Science and Technology (ASIS&T) Annual Meeting*, London, UK. [Workshop]
4. Villagran, M., Hofman, D., & **Ghosh, S.** (2023). Investigating CIRCLE: Convergence of Learning Experiences. At the *2023 Civics of Technology Conference*. [Presentation]
5. **Ghosh, S.**, Ilhan, A., Hofman, D., & Villagran, M. (2023). Introduction to the Minitrack on Human-centered Digital Privacy Solutions for Digital and Social Media. In *Proceedings of the 56th Hawaii International Conference on System Sciences (HICSS)*. HICSS Special Track on DSM: Human-centered Digital Privacy Solutions for Digital and Social Media. [Special Track]
6. Villagran, M., Hofman, D., & **Ghosh, S.** (2022). Understanding Sexual and Gender Minority Privacy. At *ALISE 2022 Annual Conference*. [Juried Panel]
7. Franks, P.C., **Ghosh, S.**, Hofman, D., & Mooradian, N. (2022). "AAA": Are you an AI-Aware Archivist?. At *2022 NAGARA Annual Conference: Exploring the Information Wilds!* [Panel]
8. **Ghosh, S.** (2021). Understanding Human-System Dialogues for Conversational Search Tasks. At *Early Career Colloquium (ECC), iConference 2021*.

Preprints:

1. Kaya, Z. N., & **Ghosh, S.** (2024). Decoding Large-Language Models: A Systematic Overview of Socio-Technical Impacts, Constraints, and Emerging Questions. *arXiv preprint arXiv:2409.16974*. <http://arxiv.org/abs/2409.16974> [Full Paper] [Student Co-author]
2. Shinde, G., Kirstein, T., **Ghosh, S.**, & Franks, P. C. (2024). AI in Archival Science - A Systematic Review. <http://arxiv.org/abs/2410.09086> [Full Paper] [Student Co-author]

Other Presentations & Panels (invited, unreviewed, or informal), Workshops, Guest Lectures, and Posters:

1. Barefoot, R., **Ghosh, S.** & Tunon, J. (2025). How I Use AI in Teaching? At *T3*, SJSU. [Presentation]
2. **Ghosh, S.** (2024). Bridging Sociotechnical Divides: Trustworthy AI for Community Well-Being and Fair Decision-Making. At the *Second University Scholar Series, SJSU*. November 6th, 2024.
3. **Ghosh, S.** (2024). "Did AI help you write this?": Analyzing and Differentiating Large Language Model Outputs from Human-Generated Texts. At the *IDS Fall 2024 Faculty Research Presentation, SJSU*. December 4th, 2024. [Presentation]
4. **Ghosh, S.**, Hofman, D., Villagran, M.A.L., Aguiñaga, J. (2024). Successful Grant Seeking Experience. At the *iSchool Online Research Meetup*. October 31st, 2024. [Invited Panel]
5. Chow, A., **Ghosh, S.**, & Mooradian, N. (2024). Spring Fling: Is AI a Friend or Foe? At the *California Library Association (CLA)*. April 11th, 2024. [Invited Panel]
6. **Ghosh, S.** (2024). Understanding and Applying AI in Libraries: Present and Future. At *Clemson Libraries*. March 20th, 2024. [Invited Talk]
7. **Ghosh, S.**, Ghosh, S., & Shah, C. (2024). Overview of Paper 'Toward Connecting Speech Acts and Search Actions in Conversational Search Tasks.' At the 8th SCAI (Search-Oriented Conversational AI) Workshop, CHIIR 2024, Sheffield, UK. March 14th, 2024. [Invited]

8. **Ghosh, S.** (2024). Libraries of the Future: Impact of Latest AI Developments. At the *International Conference on Interdisciplinary Collaboration and Opportunities: Social Science, STEM and Information Science (Valedictory Session)*. February 28th, 2024. [Invited Talk]
9. **Ghosh, S.** (2024). Navigating the Future of AI in Libraries. At *Tampa Bay Library Consortium*. February 20th, 2024. [Invited Talk]
10. Bushey, J., Franks, P., **Ghosh, S.**, & Hofman, D. (2023). SJSU Faculty Research Participation in the InterPARES Trust AI Project. At *CPGE RSCA Advisory Committee, SJSU* [Panel]
11. **Ghosh, S.**, Hofman, D., & Pendyala, V. (2023). Experience with the SJSU University Grants Academy: A Faculty Panel. At *CPGE RSCA Advisory Committee, SJSU* [Panel]
12. **Ghosh, S.** (2023). Research Method of the Month (October 2023) (Topic: Quantitative Methods). At the *Gateway PhD Monthly Meeting, School of Information, SJSU*. [Presentation]
13. **Ghosh, S.**, Harris, C., & Pavlik, J. (March 2023). Generative AI in Libraries, Education, Writing, and Research. At *Library Tech Talks with Joyce Valenza: Changes and challenges in the information landscape, Rutgers University*. [Invited Panel]
14. **Ghosh, S.** & Mooradian, N. (2023). ChatGPT: What Do Our Students Know That We Should Know? At *T3, SJSU*. [Presentation]
15. **Ghosh, S.**, Mooradian, N., Benoit, G., & Tunon, Johanna (2023). AI in the Classroom. At *T3, SJSU*. [Presentation]
16. Chow, A., Cervone, F., ... **Ghosh, S.**, ... & San Nicolas-Rocca, T. (2023). CLA - Trends in the LIS Field and Profession. At the *2023 California Library Association Conference*. [Presentation]
17. Shah, C., Shapira, O., Chow, A., Glaser, N., & **Ghosh, S.** (2022). AI; UX and Usability; Cybernetic. At the *2022 Information Science Summit*. [Panel]
18. **Ghosh, S.** (2022). Designing Conversational AI: Helping Agents Understand Human Dialogues. At *RSCA in Five: Big Data and Data Science*. [Presentation]
19. **Ghosh, S.** (2022). Privacy-aware Intelligent Conversational Systems. At *Library 2.0 Mini-Conference*. [Presentation]
20. **Ghosh, S.** & Ilhan, A. (2022). Productive Methods and Scholarly Communication (Information Science Slam). At the *2022 ASIS&T Annual Meeting, Pittsburgh, USA*.
21. **Ghosh, S.** & Ilhan, A. (2022). How to Prepare for Academia and Industry? - The Million-dollar Question. At the *2022 ASIS&T Annual Meeting, Pittsburgh, USA*.
22. **Ghosh, S.** (2022). Addressing Selection/Appraisal Biases with Artificial Intelligence. At *Artificial Intelligence in Archival Appraisal & Selection, International Council on Archives/Hub for AI Research in Archives*. [[Webinar](#)]
23. **Ghosh, S.**, Schuh, J., Bunn, J., Bell, M., Young, P., & Venkata, S. (2022). Guidelines for the use of AI in archival Appraisal/Selection. At *Artificial Intelligence in Archival Appraisal & Selection, International Council on Archives/Hub for AI Research in Archives*. [[Working Session](#)]
24. **Ghosh, S.** (2022). Designing Intelligent Systems for Sociotechnical Problems. At *iSchool Faculty Research Committee (FRC) Meet-up*. [[Presentation](#)]
25. **Ghosh, S.** (2022). Designing User-Centered Conversational Search Systems. For *Interactive Information System Evaluation (Fall 2022), University of Oklahoma*. [Guest Lecture]
26. Franks, P., **Ghosh, S.**, & Butler, A. (2022). Literature Review Prepared for Employing AI for Retention & Disposition in Digital Information and Recordkeeping Systems. *InterPARES*. [Report] [Student Co-author]
27. Franks, P., **Ghosh, S.**, & Butler, A. (2022). Annotated Bibliography Prepared for Employing AI for Retention & Disposition in Digital Information and Recordkeeping Systems. *InterPARES*. [Report] [Student Co-author]
28. Gogoi, J., **Ghosh, S.**, & Ghosh, S. (2021). Applying AI for PII Detection. List of products for the study "Personal Information Content Assessment," *InterPARES*. [Report] [Student Co-author]
29. **Ghosh, S.** (2021). Advancing Information Systems using AI - A closer look into Voice-based Conversational Systems and its applications in Library Science. *SJSU ASIS&T*. [[Keynote Video](#)]

30. **Ghosh, S.** (2021). Understanding and Designing User-centered Conversational Search Systems. Wednesday Workshop Series, *College of Professional and Global Education (CPGE)*. [Presentation] [[Video](#)]
31. **Ghosh, S.** (2021). 2021 OCLC LEADING Data Challenge, OCLC. [Data Challenge]
32. **Ghosh, S.** (2020). Towards User-centered, Anthropomorphic, and Explainable Conversational Search System. Wednesday Workshop Series, *College of Professional and Global Education (CPGE)*. [Presentation] [[Video](#)]

Scholarly Blog Posts:

1. **Ghosh, S.** & Costa, C. (2025). Empowering Customer Service with Generative AI (CIRI). [[Blog Post](#)]
2. **Ghosh, S.** (2021). Future of AI in Libraries. School of Information Center for Information Research & Innovation (CIRI). [[Blog Post](#)]

2015-2019:

Refereed Conference Paper (Peer-reviewed):

1. **Ghosh, S.** & Ghosh, S. (2019). Exploring the Ideal Depth of Neural Network when Predicting Question Deletion on Community Question Answering. In *Forum for Information Retrieval Evaluation* (in press). Springer, Cham. [Short Paper]
2. **Ghosh, S.**, & Shah, C. (2019). Session-based Search Behavior in Naturalistic Settings for Learning-related Tasks. In *Proceedings of International Conference on Information and Knowledge Management (CIKM)*. November 3-7, 2019. Beijing, China. [Short Paper]
3. **Ghosh, S.** (2019). Informing the Design of Conversational IR Systems: Framework and Result Presentation. In *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 1454-1454). ACM. [Doctoral Consortia]
4. **Ghosh, S.** (2019). Exploring Result Presentation in Conversational IR Using a Wizard-of-Oz Study. In *European Conference on Information Retrieval* (pp. 327-331). Springer, Cham. [Doctoral Consortia]
5. **Ghosh, S.** (2019). Investigating Result Presentation in Conversational IR. In *Proceedings of the 2019 Conference on Human Information Interaction and Retrieval* (pp. 421-424). ACM. [Doctoral Consortia]
6. **Ghosh, S.**, Rath, M., & Shah, C. (2018). Searching as learning: Exploring search behavior and learning outcomes in learning-related tasks. In *Proceedings of the 2018 Conference on Human Information Interaction & Retrieval* (pp. 22-31). ACM. [Full Paper]
7. **Ghosh, S.**, & Shah, C. (2018). Towards automatic fake news classification. *Proceedings of the Association for Information Science and Technology*, 55(1), 805-807. [Full Paper]
8. Rath, M., **Ghosh, S.**, & Shah, C. (2018). Exploring online and offline search behavior based on the varying task complexity. In *Proceedings of the 2018 Conference on Human Information Interaction & Retrieval* (pp. 285-288). ACM. [Short Paper]
9. Reynolds, R., Meyers, E., **Ghosh, S.**, & Novin, A. (2018). Beyond Bloom's Taxonomy: Integrating "searching as learning" and e-learning research perspectives. *Proceedings of the Association for Information Science and Technology*, 55(1), 726-729. [Short Paper]
10. Singh, V. K., **Ghosh, S.**, & Jose, C. (2017). Toward multimodal cyberbullying detection. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems* (pp. 2090-2099). ACM. [Extended Abstract]
11. **Ghosh, S.**, Ghosh, S., & Das, D. (2017). Sentiment identification in code-mixed social media text. In *International Conference on Intelligent Text Processing and Computational Linguistics (CICLING)*, Budapest, Hungary. [Full Paper]

12. **Ghosh, S.**, Ghosh, S., & Das, D. (2017). Complexity metric for code-mixed social media text. *Computación y Sistemas*, 21(4), 693-701. [Full Paper]
13. **Ghosh, S.**, Ghosh, S., & Das, D. (2016). Part-of-speech tagging of code-mixed social media text. In *Proceedings of the Second Workshop on Computational Approaches to Code Switching* (pp. 90-97). [Full Paper]
14. **Ghosh, S.**, Das, D., & Chakraborty, T. (2016). Determining sentiment in citation text and analyzing its impact on the proposed ranking index. In *International Conference on Intelligent Text Processing and Computational Linguistics* (pp. 292-306). Springer, Cham. [Full Paper]

Conference Panels and Workshops (Peer-reviewed):

1. **Ghosh, S.**, Maitra, P., & Das, D. (2016). Feature Based Approach to Named Entity Recognition and Linking for Tweets. In *# Microposts, WWW2016* (pp. 74-76). [Workshop Paper]
2. **Ghosh, S.**, Ghosh, S., & Das, D. (2016). Labeling of Query Words using Conditional Random Field. At *Mixed Script Information Retrieval at Forum for Information Retrieval Evaluation (FIRE) 2015*. [Workshop Paper]
3. Maitra, P., **Ghosh, S.**, & Das, D. (2016). Authorship Verification-An Approach based on Random Forest. At *PAN at CLEF 2015*. [Workshop Paper]

Doctoral Dissertation:

1. **Ghosh, S.** (2020). Exploring intelligent functionalities of spoken conversational search systems (Doctoral dissertation, Rutgers University-School of Graduate Studies).

Refereed Conference Poster (Peer-reviewed):

1. **Ghosh, S.**, & Shah, C. (2017). Information seeking in learning-oriented search. Proceedings of the Association for Information Science and Technology, 54(1), 682-684. [Poster]

GRANTS AND AWARDS

Extramural Grants (Funded/Pending):

1. Ghosh, S. (2025 – co-PI). Move Fast...and Fix Things: Technology, Governance, and Hope. Funder: **Gilman International Scholarship Program**, U.S. Department of State's Bureau of Educational and Cultural Affairs. [USD 59,952.20] [Funded]
2. Ghosh, S. (2024 – PI). What Do You Grab in a Fire?: AI-Assisted Automated Cataloging for Crises. Funder: **Institute of Museum and Library Services (IMLS)** National Leadership Grant for Libraries (NLG-L) [USD 417,598] [Preliminary Proposal Accepted; Full Proposal Submitted]
3. Ghosh, S. (2024 – co-PI). CC* Storage-Campus: SJSU campus wide hybrid storage for high end research computing and digital archive for educational and research applications. Funder: **National Science Foundation (NSF)** Campus Cyberinfrastructure. [USD 699,998] [Proposal #2503143] [Pending]
4. Ghosh, S. (2025 – co-PI). Continuing the Cross-Campus Interdisciplinary Responsible Computing Learning Experiences (CIRCLE 2025-2026 Renewal). Funder: **Mozilla Foundation**; Active Project Period: 03/2025-03/2026 [USD 48,978] [Funded]
5. Ghosh, S. (2023 – co-PI). CIRCLE: Cross-Campus Interdisciplinary Responsible Computing Learning Experiences. Funder: **Mozilla Foundation**; Active Project Period: 05/2023-05/2024 [USD 149,890] [Funded]
6. Ghosh, S. (2021) InterPARES Trust AI; Role: Co-Applicant; Funder: **Social Sciences and Humanities Research Council of Canada**; Active Project Period: 08/2021 - 07/2026 [USD 2,000,000] [Funded]

SJSU Grants & Awards (Funded/Pending):

1. [Funded] CIDS Summer Research Stipend (2025). Ghosh, S. (Principal Investigator). Human-AI Collaborative Content Analysis for TikTok Palliative Care Videos. *College of Information, Data, & Society (CIDS)*. [USD 5,000]
2. [Funded] CPGE Summer Research Stipend (2024). Ghosh, S. (Principal Investigator). 'Did AI help you write this?': Analyzing and Differentiating Large Language Model Outputs from Human-Generated Texts. *College of Professional and Global Education*. [USD 5,000]
3. [Funded] Ghosh, S. (2024) (Principal Investigator). Legally, Algorithmically, and Culturally Aware Systems of Accountability (LACASA). **2024 VPRI Teaming Award**. Funder: SJSU Office of Research. [USD 20,000]
4. [Funded] Ghosh, S. (2023) (Principal Investigator) Explainable Sentiment-Aware Conversational Agents; Role: PI; Funder: **RSCA Seed Grant Program** / SJSU Office of Research; Active Project Period: 05/2023-05/2024 [USD 7,475]
5. [Funded] CPGE Summer Research Stipend (2023). Ghosh, S. (Principal Investigator). A Systematic Review of Large Language Models - Application, Limitations, and Future Directions. *College of Professional and Global Education*. [USD 5,000]
6. [Funded] **University Grants Academy** (Summer 2022), *SJSU*. Awarded to support writing a significant external grant proposal to fund research, scholarship, and creative activity (RSCA). SJSU Award Number 22-UGA-07-012. [USD 4,000]
7. [Funded] CPGE Summer Research Stipend (2022). Ghosh, S. (Principal Investigator). Towards privacy-aware conversational search systems. *College of Professional and Global Education*. [USD 2,000]
8. [Funded] CPGE Summer Research Stipend (2021). Ghosh, S. (Principal Investigator). *College of Professional and Global Education*. Awarded to support ongoing research on i) Developing theoretical frameworks for spoken conversational search systems and ii) Identifying user sentiment and misinformation in COVID-19 tweets. [USD 2,000]
9. [Funded] COVID-19 Extramural Funding Incentive Program Award (2020). *San Jose State University*. [USD 500]

Extramural Grants (Not Funded):

1. Ghosh, S. (2025 – co-PI). CSU AI Educational Innovations Challenge (AIEIC). [USD 30,000] [Not Funded]
2. Ghosh, S. (2024 – Principal Investigator). CAREER: CLEAR-AI: Cognitive Leveraging and Explainable AI Research for Bias Mitigation in Large Language Model (LLM-) Based Conversational Agents. **NSF CAREER** (Human-Centered Computing (HCC)). [USD 564,811] [Proposal #2443220] [Not Funded]
3. Ghosh, S. (2024 - Co-Principal Investigator). CIVIC-PG Track A: HAILEE: Health AI Literacy Equity for Everyone. **NSF S&CC**: Smart & Connected Communities. [USD 74,999] [Proposal #2432487] [Not Funded]
4. Ghosh, S. (2023 – Principal Investigator). GENEVAL - Generative AI Learning Effects and Evaluation using Bloom's Taxonomy. Institute of Museum and Library Services. Institute of Museum and Library Services (**IMLS**) Laura Bush 21st Century Librarian Program. [USD 357,510] [Proposal #MV0804-01_Ghosh_IMLS] [Not Funded]
5. Ghosh, S. (2023 - Principal Investigator). CAREER: Designing Bias-Aware, Explainable, and User-Centered Conversational Search Systems. **NSF CAREER** (in Information and Intelligent Systems (IIS): Human-Centered Computing (HCC)). [USD 536,402] [Proposal #2338576] [Not Funded]
6. Ghosh, S. (2022 - Principal Investigator). CRII: HCC: Towards Accessible and User-Centered Conversational Search Systems. **NSF CRII** (CISE Research Initiation Initiative) research grant

in Information and Intelligent Systems (IIS): Human-Centered Computing (HCC). [USD 174,858] [Proposal # 2245795] [Not Funded]

7. Ghosh, S. (2021 - Co-Principal Investigator). DASS: Legally, Algorithmically, and Culturally Aware Systems of Accountability (LACASA). **NSF DASS** (Designing Accountable Software Systems) [USD 749,961] [Not Funded]
8. Ghosh, S. (2021 - Principal Investigator). CRII: HCC: Toward User-Centered and Anthropomorphic Conversational Search Systems. **NSF CRII** (CISE Research Initiation Initiative) research grant in Information and Intelligent Systems (IIS): Human-Centered Computing (HCC). [USD 174,968] [Not Funded]
9. Ghosh, S. (2020 - Principal Investigator). CRII: IIS: Toward User-Centered and Anthropomorphic Conversational Search Systems. **NSF CRII** (CISE Research Initiation Initiative) research grant in Information and Intelligent Systems (IIS). [USD 175,000] [Not Funded]

Other Awards and Honors:

2020-Present:

1. Recipient, CIDS Research Assistant Support (2025). *College of Information, Data & Society (CIDS)*. Awarded one research assistant for Fall 2025 for up to 10 hours per week to support the RSCA project: Human-AI Collaborative Content Analysis for TikTok Palliative Care Videos.
2. **Recipient, 2025 SJSU School of Information Distinguished Scholar Award.**
3. Recipient, CIDS Research Assistant Support (2025). *College of Information, Data & Society (CIDS)*. Awarded one research assistant for Summer 2025 for up to 10 hours per week to support the RSCA project: Human-AI Collaborative Content Analysis for TikTok Palliative Care Videos.
4. Recipient, California Alliance for Hispanic-Serving Social Science Advancement (CAHSSA), CAHSSA Collaborative 3-Day Writing Retreat for Social Science Research Teams (2024).
5. Recipient, CIDS Research Assistant Support (2024, 2025). *College of Information, Data & Society (CIDS)*. Awarded one research assistant for Fall 2024 and Spring 2025 for up to 10 hours per week to support the RSCA project: "Did AI help you write this?": Analyzing and Differentiating Large Model Outputs from Human-Generated Texts.
6. Recipient, CPGE Research Assistant Support (2024). *College of Professional and Global Education (CPGE)*. Awarded one research assistant for Summer 2024 for up to 10 hours per week to support the RSCA project: "Did AI help you write this?": Analyzing and Differentiating Large Model Outputs from Human-Generated Texts.
7. **Recipient, 2023 SJSU School of Information Research Excellence Award.**
8. Recipient, RSCA Administration PI Workshop (2023) - Certificate of Completion and \$500 Award
9. Recipient, CPGE Research Assistant Support (2023). *College of Professional and Global Education*. Awarded two research assistants for Spring 2024 for up to 10 hours per week to support RSCA projects: i) COVID-19 Social Media Analysis; ii) Exploring Clarification Types in Information Seeking Conversations.
10. Recipient, CPGE Research Assistant Support (2022). *College of Professional and Global Education*. Awarded one research assistant for Spring and Summer 2022 for up to 10 hours per week to support RSCA projects: i) COVID-19 Social Media Analysis; ii) Exploring Clarification Types in Information Seeking Conversations.
11. Recipient, CPGE Research Assistant Support (2021). *College of Professional and Global Education*. Awarded two research assistants for Spring, Summer, and Fall 2021 for up to 10

hours per week to support RSCA projects: i) Development of conversational search systems; ii) COVID-19 Social Media Analysis.

12. Recipient, 2021 iConference Dissertation Award (Runner-up)¹. *iConference*. Awarded to acknowledge the excellence of my dissertation titled “Exploring Intelligent Functionalities of Spoken Conversational Search Systems.” [USD 1,000]
13. Recipient, Outstanding Graduating Student (Information Science) Award (2020). *School of Communication and Information, Rutgers University*.

2015-2019:

1. Recipient, SC&I Dissertation Grant (2020), *School of Communication and Information*. [USD 1,000]
2. Recipient, LIS Dissertation Support Grant Award, LIS Research Development Committee, School of Communication and Information. [USD 625]
3. Recipient, SC&I November 2019 Ph.D. Travel Awards (HICSS 2020, Hawaii), *School of Communication and Information*. [USD 750]
4. Recipient, Ph.D. Travel Awards (FIRE 2019, Kolkata), SC&I November 2019 Ph.D. Travel Awards, *School of Communication and Information*. [USD 1,000]
5. Recipient, Ph.D. Travel Awards (CIKM 2019, Beijing), SC&I November 2019 Ph.D. Travel Awards, *School of Communication and Information*. [USD 1,000]
6. Recipient, Travel Awards (Merit) (SIGIR 2019, Paris), *School of Graduate Studies, Rutgers University*. [USD 300]
7. Recipient, June 2019 Travel Awards (SIGIR 2019, Paris), *School of Communication and Information*. [USD 750]
8. Recipient, SIGIR Travel Grant (SIGIR 2019, Paris), *ACM*. [USD 1,000]
9. Recipient, Summer Methods Workshop Funding (Data Science Salon, Miami), *School of Communication and Information*. [USD 2,000]
10. Recipient, Spring (March) Travel Awards (Merit) (CHIIR 2019, Glasgow), *School of Graduate Studies, Rutgers University*. [USD 250]
11. Recipient, Spring (March) Travel Awards (CHIIR 2019, Glasgow), *School of Communication and Information*. [USD 750]
12. Recipient, Spring (March) 2019 Travel Awards (ECIR 2019, Cologne), *School of Communication and Information*. [USD 750]
13. Recipient, ECIR Student Grant (ECIR 2019, Cologne), *ECIR*. [Registration Fees]
14. Recipient, SIGIR Travel Grant (CHIIR 2019, Glasgow), *ACM*. [USD 2,000]
15. Recipient, Fall 2018 Travel Awards (HICSS 2019, Hawaii), *School of Communication and Information*. [USD 700]
16. Recipient, Fall 2018 Travel Awards (Merit) (HICSS 2019, Hawaii), *School of Graduate Studies, Rutgers University*. [USD 300]
17. Recipient, Fall 2018 Travel Awards (ASIS&T 2018, Vancouver), *School of Communication and Information*. [USD 700]
18. Recipient, Fall 2018 Travel Awards (SIGIR 2018, Ann Arbor), *School of Communication and Information*. [USD 500]
19. Recipient, March 2018 Travel Awards (HCI International 2018, Las Vegas), *School of Communication and Information*. [USD 500]
20. Recipient, March 2018 Travel Awards (CHIIR 2018, New Brunswick), *School of Communication and Information*. [USD 500]
21. Recipient, SC&I Travel Awards (ASIS&T 2017, Washington), *School of Communication and Information*. [USD 500]

¹ <https://ischools.org/Dissertation-Award-Past-Winners>

22. Recipient, DAAD Fellowship (Autumn School for Information and Retrieval Information Foraging 2017, Schloß Dagstuhl), DAAD. [All Expenses]
23. Recipient, DAAD Fellowship (ASIRF 2015, Katlenburg), DAAD. [All Expenses]

SERVICES

2020-Present

Elected or Appointed Position of Leadership within School, College, University, and/or Profession:

University-level Appointed Positions:

1. ***AI Faculty Fellow, San José State University, 2025–2026.***
2. Member, General Education Advisory Committee (GEAC), University Senate Committee, San Jose State University, 2021 – 2023.
3. Member, Artificial Intelligence and Machine Learning Research Cluster, SJSU, 2023 – Present.
4. Member, Peer Connections Faculty Advisory Board, Spring 2022.
5. Committee Member, Faculty Learning Community, San Jose State University, Fall 2020.

College-level Appointed Positions:

1. Co-Chair [starting Jan., 2026], CIDS Academic Committee on Equity, Diversity, Inclusion & Social Justice, College of Professional & Global Education, SJSU, Spring 2026 – .
2. Co-lead, Human-Centered AI Certificate, College of Information, Data, and Society (CIDS), Fall 2024 – Fall 2025.
3. Co-lead, Human-Centered AI Minor, College of Information, Data, and Society (CIDS), Summer 2025 – Fall 2026.
4. Member, CPGE Academic Committee on Equity, Diversity, Inclusion & Social Justice, College of Professional & Global Education, SJSU, Fall 2022-Present.
5. CPGE Name Reader, SJSU Commencement Ceremony, Spring 2023.
6. Committee Member, Search Committee (for Student Academic Success Specialist), College of Professional & Global Education, SJSU, Spring 2022.
7. Committee Member, Search Committee (for Director of the Student Success Center), College of Professional & Global Education, SJSU, Fall 2020 – Spring 2021.

Department-level Appointed Positions and Advising:

1. Co-lead, Developing the Interdisciplinary Minor in Human-Centered AI, SJSU, 2024-2026
2. Co-lead, Developed the Human-Centered AI Certificate, SJSU, 2024-2025
3. Committee Member, iSchool Director Review Committee, School of Information, SJSU, 2024-2025.
4. Committee Member, Search Committee (Tenure-Track Faculty Search Committee), School of Information, SJSU, 2023-2024.
5. Gateway Ph.D. Advisor, School of Information, SJSU, 2023 – Present.
6. Member, Technology and Resources Committee (TRC), School of Information (iSchool), San Jose State University, 2020–Present.
7. Interim Advisor, Post-Master's Certificate (PMC) Data Science Pathway, School of Information, SJSU. 2022 - 2023.
8. Co-founder and Faculty Advisor, iSchool Sports Analytics Club, SJSU, 2022 – Present
9. Academic Coordinator, Bachelor of Science in Information Science and Data Analytics (BSISDA), School of Information, SJSU, 2023-2023.
10. Program Coordinator, Bachelor of Science in Information Science and Data Analytics (BSISDA), School of Information, SJSU, 2020-2022.
11. Member, iSchool Strategic Planning Committee, Fall 2022

12. Member, Program Development Committee, Bachelor of Science in Information Science and Data Analytics (BSISDA), School of Information (iSchool), San Jose State University, 2020.

Service to Students:

1. Director and PI, Intelligent Conversational Agents and Neural Networks (ICANN) Lab², School of Information, San Jose State University, 2020–Present.
2. Faculty Advisor, Responsible Computing Club (RCC), SJSU, 2024 – 2025.
3. Faculty Advisor, Gateway Ph.D. program, School of Information (iSchool), San Jose State University, Fall 2022–Present.
4. Interim Advisor, Post-Master's Certificate (PMC) Data Science Pathway, School of Information, SJSU. 2022 - 2023.
5. Co-founder and Faculty Advisor, iSchool Sports Analytics Club, SJSU, 2022 - Present
6. Academic Coordinator, Bachelor of Science in Information Science and Data Analytics, School of Information, San Jose State University, 2023 – 2023.
7. Program Coordinator, Bachelor of Science in Information Science and Data Analytics (BSISDA), School of Information, SJSU, 2020-2022.
8. Advisor to 6 graduate students (2020-2024) pursuing INFO 298 (Special Studies).
9. Mentor to 10+ students per year (30+ since Fall 2020) from graduate, undergraduate, and high school levels at the ICANN lab.
10. E-portfolio advisor to 20+ students per semester (100+ since Fall 2020).

Professional Committees and Organizing:

Leadership Positions

1. Chair, IDEA (Innovation, Disruption, Enquiry, Access) Institute on Artificial Intelligence (AI) 2025, Association for Information Science and Technology (ASIS&T), 2024 – 2025.
2. Chair, Workshop and Tutorials, ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR) 2026.
3. Special Interest Group (SIG) Cabinet Director, Association for Information Science and Technology (ASIS&T), 2024 – 2025.
3. Board Member, Editorial Advisory Board (EAB) of The Electronic Library (TEL), 2024 – Present.
4. Chair, IDEA (Innovation, Disruption, Enquiry, Access) Institute on Artificial Intelligence (AI) 2024, Association for Information Science and Technology (ASIS&T), 2023 – 2024.
5. Chair, Special Interest Group in Social Media (SIG SM), Fall 2023 – Fall 2024.
6. Special Interest Group (SIG) Cabinet Deputy Director, Association for Information Science and Technology (ASIS&T), 2023 – 2024.
7. AI Consultant and Co-Applicant, InterPARES Trust AI (Projects “Employing AI for Retention & Disposition in Trusted Digital Recordkeeping Repositories” and “Personal Information Content Assessment”), 2022 – Present.
8. Jury Member, Lois Lunin Award, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2023.
9. Co-chair, Panels and Alternative Events, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2022.
10. Minitrack Chair, Human-centered Digital Privacy Solutions for Digital and Social Media Minitrack, 56th Hawaii International Conference on Systems Sciences, 2022.
11. Chair-Elect, Special Interest Group in Social Media (SIG SM), Fall 2022 – Fall 2023.
12. Jury Member, Lois Lunin Award, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2022.

² <https://ischool.sjsu.edu/icann-lab>

13. Jury Member, Doctoral Dissertation Proposal Scholarship, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2022.

Program Committees

14. Program Committee (PC) Member, The Nineteenth International Conference on Web Search and Data Mining (WSDM 2026) (Short papers)
15. Program Committee (PC) Member, 17th ACM Web Science Conference 2025 (WebSci'25) (Full and Short papers)
16. Program Committee (PC) (Full, Short, Demonstration, and Resource & Reproducibility Papers) Member, International ACM SIGIR Conference on Research and Development, SIGIR 2024, SIGIR 2025.
17. Program Committee Member, ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR), CHIIR 2020, CHIIR 2021, CHIIR 2023, CHIIR 2024, CHIIR 2025.
18. Program Committee (PC) Member, AI4LAC Workshop, ACM/IEEE Joint Conference on Digital Libraries (JCDL 2024).
19. Program Committee (PC) (Demonstration Papers) Member, International ACM SIGIR Conference on Research and Development; SIGIR 2022, SIGIR 2023.
20. Program Committee (PC) Member, 2nd International Conference on Data Science and Applications (ICDSA), 2021.
21. Program Committee (PC) Member, 17th International Conference on Natural Language Processing (ICON), 2020.

Other Roles

22. Moderator, Paper Session 2 (Generative AI and Large Language Models), Association for Information Science and Technology (ASIS&T) Virtual Satellite Meeting, 2025.
23. Moderator, Paper Session 7 (Social Media), Association for Information Science and Technology (ASIS&T) Annual Meeting, 2024.
24. Organizer & Moderator, Productive Methods and Scholarly Communication (Information Science Slam), Association for Information Science and Technology (ASIS&T) Annual Meeting, 2022.
25. Organizer, (Panel) How to Prepare for Academia and Industry? The Million-Dollar Question, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2022.
26. Moderator, Paper Session 7 (Information Interactions with the Healthcare System), Association for Information Science and Technology (ASIS&T) Annual Meeting, 2021.
27. Panelist, Exploring Majors & Careers in Analytics, AARS and the Career Center, San Jose State University, 2021.

Reviewing:

28. Reviewer (Journal), Interdisciplinary Journal of Information, Knowledge, and Management (IJIKM), 2025-Present.
29. Reviewer (Conference), ASIS&T Annual Meeting, 2025 – Present
30. Reviewer (Journal), ACM Transactions on Information Systems (TOIS), 2021-Present.
31. Reviewer (Journal), Information Processing and Management (IP&M) (Journal), 2022-Present.
32. Reviewer (Journal), Journal of the Association for Information Science and Technology (JASIST), 2021-Present.
33. Reviewer (Journal), MDPI, Information (Journal), 2022-Present.
34. Reviewer, Hawaii International Conference on System Sciences (HICSS), 2020- Present.
35. Reviewer, Association for Information Science and Technology (ASIS&T) Annual Meeting, 2021 – Present.

2015-2019:

Professional Committees and Organizing:

1. Committee Member, Local Organizing Committee, ACM CHIIR 2018.
2. Officer, Special Interest Group in Social Media (SIG-SM), ASIS&T, 2018-2019.
3. ACM SIGIR Student Liaison for North America, ACM SIGIR, 2018-2020.
4. LEADS-4NDP Fellow, LEADS, 2018.
5. Director of Membership, SC&I Doctoral Student Association, Rutgers University (2017-2018)
6. School Liaison, AAUP-AFT, Rutgers University (2017-2019)
7. Guest Speaker, Social Informatics, ITI program, SC&I, Rutgers University.
8. Student Volunteer, ACM SIGIR, 2018-2019,
9. Student Volunteer, ASIS&T 2018.
10. Lead Researcher, NeuIR Lab, SC&I, Rutgers University (2018-2020)

Reviewing:

1. Reviewer: The Web Conference (WWW), 2019.
2. Reviewer, Hawaii International Conference on System Sciences (HICSS), 2019.
3. Reviewer (Journal), Information and Learning Sciences, 2019-2020.
4. Reviewer (Journal): International Journal of Healthcare Information Systems and Informatics (IJHISI), 2017-2018.

TEACHING EXPERIENCE

Teaching

- Assistant Professor (School of Information, SJSU), 2020-Present
 - Problem Solving with Data I (INFO 287-02 and 16) (Fall 2024, 2023, 2022, 2021, 2020) (MLIS)
 - Problem Solving with Data II (INFO 287-15) (Spring 2025, 2024, 2023, 2022, 2021) (MLIS)
 - Information Retrieval System Design (INFO 202) (Spring 2025, Fall 2024, Summer 2024, Spring 2024, Fall 2023, Summer 2023, Spring 2023, Fall 2022, Summer 2022, Spring 2022, Fall 2021, Summer 2021, Spring 2021) (MLIS)
 - Math for Machine Learning (Spring 2025, 2024, 2023, 2022) (MLIS)
- Lecturer/Instructor (School of Communication & Information, Rutgers University), 2017-2020
 - Problem-Solving with Data (Fall 2019, Spring 2020 - Online, Spring 2019 - Offline) – PG Level (MLIS)
 - Object-Oriented Programming (Summer 2019) – UG Level (ITI)
 - Concepts of Computer Science (Summer 2019, Fall 2018, Summer 2017) – UG Level (ITI)
- Teaching Assistant (School of Communication & Information, Rutgers University), 2017-2020
 - Problem Solving with Data (Spring 2018)
 - Human-Computer Interaction (Fall 2017)

Course Development

Master's in Library and Information Science (MLIS):

- Problem Solving with Data (parts I and II)
- Math for Machine Learning

BS in Information Science and Data Analytics (BSISDA) (Undergraduate) **(developed the courses; not taught):**

- o Topics in Information Science and Data: Foundations of Sports Analytics (ISDA 150)
- o Privacy, Security and Ethics (ISDA 122)
- o Information Assurance (ISDA 123)
- o User Centered Interface Architecture and Prototyping (ISDA 130)
- o Query Languages (ISDA 20A)
- o Programming (ISDA 20B)
- o Web Development (ISDA 20C)
- o Computer Operating System (ISDA 20D)

Human-Centered AI (HCAI) Certificate (Undergraduate) (developed the courses; not taught):

- o Introduction to Human-Centered AI (ISDA 080)
- o Responsible Human Artificial Intelligence Interaction (ISDA 180)

PAST PROFESSIONAL EXPERIENCE

- Research Assistant, NSF Project on Cyberbullying Prevention, Rutgers University, 2016-2017.
- Fellow, LEADS-4-NDP 2018 Fellowship – a collaboration with OCLC Research and Drexel University, 2018.
- Summer Intern (Sentiment Analysis), Industrial Technology Research Institute, Taiwan, 2015.
- Consultant (Business Intelligence), PwC Pvt. Ltd., 2011-2012.

SKILLS

- Deep Learning:
 - o Keras, Tensorflow, PyTorch (Proficient)
- High-Level Languages
 - o C, Java, C#, C++, Python (Proficient)
 - o MATLAB, Ruby, Hadoop, Spark (Familiar)
- Experimental Design
- Query Languages:
 - o SQL, PL/SQL, ACL
- Agile Methodology
- Professional Development Training
 - o [NVIDIA Omniverse Training](#)
 - o Introduction to Large Language Models – Google Cloud/Coursera [[Certificate](#)]
 - o Artificial Intelligence Algorithms Models and Limitations – LearnQuest/Coursera [[Certificate](#)]
 - o SJSU Teach Online Winter Certificate Program [[Certificate](#)]
 - o SJSU Resilient Course Design Institute [[Certificate](#)]

REFERENCES

On request.