

S M Mehedi Zaman

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Education

- 2024 – Present ■ **Ph.D. in Library & Information Science**, Rutgers University - New Brunswick New Jersey, USA.
- 2019 – 2023 ■ **B.Sc. in Electrical & Electronic Engineering**, Islamic University of Technology Gazipur, Bangladesh.

Work Experience

- 2023 – 2024 ■ **Research Intern**, The Artificial Intelligence Institute of University of South Carolina (AI-ISC), South Carolina, USA.
- Collaboration with a team of ten members to introduce AI Detectability Index (ADI).
 - Among the LLMs used, Vicuna, BLOOM and OPT rendered the best outputs in terms of human like texts. We found out that AI Generated text detection techniques (watermarking, perplexity estimation, negative log-curvature) are not that effective.

Publications

Conference Proceedings

- 1 **S M Mehedi Zaman** and K. Garimella, “Disagreement is disappearing on u.s. cable debate shows,” in *The 20th International AAAI Conference on Web and Social Media (ICWSM)*, 2026 (Accepted). arXiv: 2511.15774 [cs.SI]. [🔗 URL: https://arxiv.org/abs/2511.15774](https://arxiv.org/abs/2511.15774).
- 2 M. Chakraborty, S. T. I. Tonmoy, **S M Mehedi Zaman**, S. Gautam, T. Kumar, K. Sharma, N. Barman, C. Gupta, V. Jain, A. Chadha, A. Sheth, and A. Das, “Counter Turing test (CT₂): AI-generated text detection is not as easy as you may think - introducing AI detectability index (ADI),” in *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, H. Bouamor, J. Pino, and K. Bali, Eds., Singapore: Association for Computational Linguistics, Dec. 2023, pp. 2206–2239. [🔗 URL: https://aclanthology.org/2023.emnlp-main.136](https://aclanthology.org/2023.emnlp-main.136).
- 3 R. H. Ratul, **S M Mehedi Zaman**, H. A. Chowdhury, M. Z. H. Sagor, M. T. Kawser, and M. M. Nishat, “Atmospheric influence on the path loss at high frequencies for deployment of 5g cellular communication networks,” in *2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, 2023, pp. 1–6. [🔗 DOI: 10.1109/ICCCNT56998.2023.10307972](https://doi.org/10.1109/ICCCNT56998.2023.10307972).
- 4 S. M. T. I. Tonmoy and **S M Mehedi Zaman**, “OOG- Optuna Optimized GAN Sampling Technique for Tabular Imbalanced Malware Data,” in *2022 IEEE International Conference on Big Data (Big Data)*, 2022, pp. 6534–6539. [🔗 DOI: 10.1109/BigData55660.2022.10020393](https://doi.org/10.1109/BigData55660.2022.10020393).
- 5 **S M Mehedi Zaman**, W. M. Qureshi, M. M. S. Raihan, A. B. Shams, and S. Sultana, “Survival prediction of heart failure patients using stacked ensemble machine learning algorithm,” in *2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, 2021, pp. 117–120. [🔗 DOI: 10.1109/WIECON-ECE54711.2021.9829577](https://doi.org/10.1109/WIECON-ECE54711.2021.9829577).

Posters

- 1 **S M Mehedi Zaman**, S. Joshi, and Y. Wu, “Privacy concerns and chatgpt: Exploring online discourse through the lens of information practice on reddit,” *iConference*, 2026 (Accepted). arXiv: 2511.18268 [cs.CY]. [🔗 URL: https://arxiv.org/abs/2511.18268](https://arxiv.org/abs/2511.18268).

- 2 S. Joshi and **S M Mehedi Zaman**, “Exploring emerging adults’ health information practices with ai through a cognitive authority lens,” *Proceedings of the Association for Information Science and Technology*, vol. 62, no. 1, pp. 1505–1507, 2025. [DOI: 10.1002/pra2.1449](https://doi.org/10.1002/pra2.1449).

Under Review

- 1 T. Ammari, M. Chen, **S M Mehedi Zaman**, and K. Garimella, *From Tutor to Confidant: Use Genres and Moral Economy in Student ChatGPT Domestication*. 2025. arXiv: 2505.24126v2 [cs.HC]. [URL: https://arxiv.org/abs/2505.24126v2](https://arxiv.org/abs/2505.24126v2).
- 2 T. Ammari, M. Chen, **S M Mehedi Zaman**, and K. Garimella, *How Students (Really) Use ChatGPT: Uncovering Experiences Among Undergraduate Students*. 2025. [URL: https://arxiv.org/abs/2505.24126](https://arxiv.org/abs/2505.24126).
- 3 V. Rawte, S. Tonmoy, **S M Mehedi Zaman**, P. Priya, A. Chadha, A. P. Sheth, and A. Das, “Sorry, Come Again?” *Prompting–Enhancing Comprehension and Diminishing Hallucination with [PAUSE]-injected Optimal Paraphrasing*. 2024. [URL: https://arxiv.org/abs/2403.18976](https://arxiv.org/abs/2403.18976).
- 4 S. Tonmoy, **S M Mehedi Zaman**, V. Jain, A. Rani, V. Rawte, A. Chadha, and A. Das, *A comprehensive survey of hallucination mitigation techniques in large language models*. 2024. [URL: https://arxiv.org/abs/2401.01313](https://arxiv.org/abs/2401.01313).

Awards

- Oct 2025 **Research Practicum Award**, Rutgers School of Communication and Information, USD 1,000.
- Sep 2025 **NEASIS&T Presenter Stipend**, 2025 Association for Information Science and Technology (ASIS&T) Annual Meeting, USD 250.
- Sep 2024 **LIS Fellowship**, Rutgers School of Communication and Information, USD 35,000.
- Dec 2023 **Outstanding Paper Award**, The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP), Singapore.
- Sep 2022 **1st Place**, 2022 IEEE Big Data Cup Challenge - Organized by Khalifa University, UAE, USD 1,000

Academic Service

Teaching Assistant

- Fall 2025 **Problem Solving with Data**, Master of Information major at Rutgers University.
- Social Informatics**, Information Technology and Informatics major at Rutgers University.

PC Member

- WWW 2026 **Social Networks and Social Media Track**, The ACM Web Conference.
- CHI 2026 **Computational Interaction Subcommittee**, The ACM CHI conference on Human Factors in Computing Systems.
- CSCW 2025 **Poster Track**, ACM Conference on Computer-Supported Cooperative Work & Social Computing.
- ICIS 2025 **Public IS and Infrastructures Track**, International Conference on Information Systems by AIS.
- OzCHI 2025 **Late-Breaking Work Committee**, Australian Conference on Human-Computer Interaction.