

MAHAMMED KAMRUZZAMAN

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LinkedIn Google Scholar GitHub

EDUCATION

Ph.D. in Computer Science and Engineering

August 2022-Present

University of South Florida, Tampa

Advisor: [Gene Louis Kim](#)

M.Sc. in Computer Science (concurrent)

2022-2024

University of South Florida, Tampa

Overall GPA: 4.00 (out of 4.00)

B.Sc. in Electrical and Computer Engineering

2016-2021

Rajshahi University of Engineering & Technology, Bangladesh

Overall GPA: 3.72 (out of 4.00)

TECHNICAL STRENGTHS

Languages

Python, C/C++, Matlab, Assembly

Libraries/APIs

PyTorch, TensorFlow, HuggingFace Transformers, OpenCV, Ollama, LangChain

LLM Tooling

RAG pipelines, LoRA/QLoRA fine-tuning, PEFT, Tokenizer analysis

Others

Git, Docker, Weights & Biases, JSONL, data cleaning & augmentation for LLMs

EXPERIENCE

Graduate Research Assistant

May 2023-Present

University of South Florida, Tampa

- Build multi-perspectival political models; study biases in LLMs/VLMs (social, cultural, brand, job-recommendation); design mitigation strategies to improve equity across applications.

Graduate Teaching Assistant

August 2022 - May 2024

University of South Florida, Tampa

- Assisted in teaching graduate courses in Human-Computer Interaction and Operating Systems, mentoring students on data-driven user research and usability-focused design.

Research Intern (Remote)

March 2021 - March 2022

Data Up, Inc., Austin. Mentor: Mo Hossain

- Analyzed customer behavior through Google Analytics to improve online customer experience.

SELECTED PUBLICATIONS

[1] **M. Kamruzzaman** and G. L. Kim, “Exploring Changes in Nation Perception with Nationality-Assigned Personas in LLMs,” In Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing, pages 3661–3679. (**EMNLP 2025**) [\[paper\]](#)

[2] **M. Kamruzzaman**, A.C. Curry, and F. Plaza, “Seeing Race, Feeling Bias: Emotion Stereotyping in Multimodal Language Models,” in Findings of the Association for Computational Linguistics: EMNLP 2025, pages 7317–7351. (**EMNLP 2025**) [\[paper\]](#)

[3] **M. Kamruzzaman** and G. L. Kim, “The Impact of Name Age Perception on Job Recommendations in LLMs,” in Findings of the Association for Computational Linguistics: ACL 2025, pages 15033–15058, Vienna, Austria. (**ACL 2025**) [\[paper\]](#)

- [4] **M. Kamruzzaman**, A. A. Monsur, G. L. Kim, A. Chhabra, “From Anger to Joy: How Nationality Personas Shape Emotion Attribution in Large Language Models,” In Proceedings of the International Joint Conference on Natural Language Processing & Asia-Pacific Chapter of the Association for Computational Linguistics. (*AACL 2025*) [\[paper\]](#)
- [5] **M. Kamruzzaman** A.A. Monsur, S. Das, E. Hassan, and G. L. Kim, “BanStereoSet: A Dataset to Measure Stereotypical Social Biases in LLMs for Bangla,” in Findings of the Association for Computational Linguistics: ACL 2025, pages 3450–3460, Vienna, Austria. (*ACL 2025*) [\[paper\]](#)
- [6] **M. Kamruzzaman** and G. L. Kim, “Evaluating the Impact of Racial Cues on MLLMs Judgements of Politeness and Offensiveness,” IEEE/CVF International Conference on Computer Vision (ICCV) Workshops. (*FAILED Workshop, ICCV 2025*) [\[paper\]](#)
- [7] **M. Kamruzzaman** and G. L. Kim, “Prompting Techniques for Reducing Social Bias in LLMs through System 1 and System 2 Cognitive Processes,” In Proceedings of the 15th International Conference on Recent Advances in Natural Language Processing- Natural Language Processing in the Generative AI era, pages 511–520, Varna, Bulgaria. (*RANLP 2025*) [\[paper\]](#)
- [8] **M. Kamruzzaman** and G. L. Kim, “The Impact of Disability Disclosure on Fairness and Bias in LLM-Driven Candidate Selection,” The International FLAIRS Conference Proceedings, 38(1). (*FLAIRS-2025*) [\[paper\]](#)
- [9] **M. Kamruzzaman**, H.M. Nguyen and G. L. Kim, “Global is Good, Local is Bad?: Understanding Brand Bias in LLMs,” In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing, pages 12695–12702. (*EMNLP 2024*) [\[paper\]](#)
- [10] **M. Kamruzzaman**, M. M. I. Shovon, and G. L. Kim, “Investigating subtler biases in LLMs: Ageism, beauty, institutional, and nationality bias in generative models,” in Findings of the Association for Computational Linguistics ACL 2024, pages 8940–8965, Bangkok, Thailand and virtual meeting. Association for Computational Linguistics. (*ACL 2024*) [\[paper\]](#)
- [11] **M. Kamruzzaman** and G. L. Kim, “Efficient sentiment analysis: A resource-aware evaluation of feature extraction techniques, ensembling, and deep learning models,” in Proceedings of the 11th International Workshop on Natural Language Processing for Social Media, Association for Computational Linguistics, Nov. 2023, pp. 9–20. [Online]. (*SocialNLP Workshop, AACL 2023*) [\[paper\]](#)
- [12] **M. Kamruzzaman** H.M. Nguyen, N. Hassan, and G. L. Kim, “A Woman is More Culturally Knowledgeable than A Man?: The Effect of Personas on Cultural Norm Interpretation in LLMs,” arXiv preprint arXiv:2409.11636, 2024. [Under review] [\[paper\]](#)
- [13] K. E. Miandoab, **M. Kamruzzaman**, A. Gharooni, G. L. Kim, V. Sarathy, and N. Mehrabi, “Breaking the Benchmark: Revealing LLM Bias via Minimal Contextual Augmentation,” arXiv preprint arXiv:2510.2392, 2025. [Under review] [\[paper\]](#)

AWARD AND SCHOLARSHIP

Chih Foundation Research and Publication Award (Top 3 awardees university-wide)	<i>University of South Florida</i>
Spirit of Innovation Award	<i>University of South Florida</i>
Travel Scholarship	<i>AAAI-2025</i>

PRESS COVERAGE

Your most important customer may be AI <i>MIT Technology Review</i>	February, 2025
Interview with Mahammed Kamruzzaman <i>AIhub</i>	June, 2025