



Rabeya Tus Sadia

Postdoctoral Scholar, Radiology

 Resume available Online

Bio

BIO

I am currently working on multimodal and multitask foundation models for cancer detection and surgical video analysis. My research focuses on medical image and video segmentation, MRI and ultrasound analysis, foundation models, reinforcement learning, and AI agents. My broader research spans generative modeling, causal machine learning, multimodal learning, large language models, state-space models, spatial and single-cell omics, structured data analysis, and trustworthy artificial intelligence. My goal is to develop clinically meaningful, interpretable, fair, and reliable AI methods for real-world biomedical and healthcare applications.

HONORS AND AWARDS

- NAIRR Annual Meeting 2026 Awardee and Presenter, NSF (2026)
- ACM SIGKDD 2025 Student Travel Awardee, ACM (2025)
- Champions of Huawei Seeds for the Future, Huawei (2020)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Kentucky , Computer Science (2026)
- Bachelor of Science, Rajshahi University of Engineering & Technology , Computer Science & Engineering (2021)

STANFORD ADVISORS

- Mirabela Rusu, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: <https://rumi07.github.io/>
- Google Scholar: https://scholar.google.com/citations?hl=en&user=fUXzcQAAAAJ&view_op=list_works&sortby=pubdate