

KRITHIKA RAMESH

(+1) 667-354-7768 ✉ kramesh3@jh.edu

🔍 Google Scholar 📄 Semantic Scholar 🐙 GitHub ✎ LinkedIn 🌐 Website

EDUCATION

Johns Hopkins University

Ph.D., Computer Science

2023 – Present

Advisor(s): Dr. Anjalie Field

Manipal Institute of Technology, Manipal

B.Tech, Information Technology

2018 – 2022

CGPA: 8.12/10

EXPERIENCE

Research Intern

Microsoft Research India

August 2022 – June 2023

Supervisor: Dr. Sunayana Sitaram

Research Intern

Microsoft Research India

January 2022 – July 2022

Supervisor: Dr. Rahul Sharma

Research Intern

Indian School of Business, Hyderabad

May 2021 – Jan 2023

Supervisors: Dr. Sumeet Kumar, Dr. Ashiqur KhudaBukhsh

RESEARCH EXPERIENCE AND PUBLICATIONS

Generating and Evaluating Synthetic Data for Privacy Preservation in High-Stakes Domains

K. Ramesh, N. Gandhi, P. Madaan, L. Bauer, C. Peris, A. Field, EMNLP Findings 2024

MEGA: Multilingual Evaluation of Generative AI [Paper](#)

K. Ahuja, H. Diddee, R. Hada, M. Ochieng, K. Ramesh, P. Jain, A. Nambi, T. Ganu, S. Segal, M. Axmed, K. Bali, S. Sitaram, EMNLP 2023

A Comparative Study of Model Compression Techniques on Fairness in Language Models [Paper](#)

K. Ramesh, A. Chavan*, S. Pandit*, S. Sitaram, ACL 2023

End-to-end Privacy Preserving Training and Inference for Air Pollution Forecasting with Data from Rival Fleets [Paper](#)

G. Gupta, K. Ramesh, A. Bhattacharya, D. Gupta, R. Sharma, N. Chandran, R. Sen, PETS 2023

Fairness in Language Models Beyond English: Gaps and Challenges [Paper](#)

K. Ramesh, S. Sitaram, M. Choudhury, EACL Findings 2023

‘Beach’ to ‘Bitch’: Inadvertent Unsafe Transcription of Kids’ Content on YouTube [Paper](#)

K. Ramesh, AR KhudaBukhsh, S. Kumar, AAAI 2022, AI for Social Impact Track

Revisiting Queer Minorities in Lexicons [Paper](#)

K. Ramesh, S. Kumar, AR KhudaBukhsh, Proceedings of the 6th Workshop on Online Abuse and Harms, NAACL, 2022

Towards Quantifying the Carbon Emissions of Differentially Private Machine Learning [Paper](#)

R. Naidu*, H. Diddee*, A. Mulay*, A. Vardhan*, K. Ramesh*, A. Zamzam, Socially Responsible Machine Learning Workshop, ICML, 2021

Evaluation of Gender Bias in Hindi-English Machine Translation [Paper](#)

G.Gupta*, K.Ramesh*, S.Singh, Proceedings of the Third Workshop on Gender Bias in Natural Language Processing, ACL-IJCNLP, 2021

TECHNICAL STRENGTHS

Programming Languages	Python, C++, C, Java
AI Libraries/Frameworks	PyTorch, Tensorflow, keras, sk-learn, OpenCV, nltk, spaCy, etc
Other Software	NetLogo, GAMA

OUTREACH & SERVICE

- Queer in AI talk at ACL '21 on Queer Representation in Indian Academia.
- Volunteer at ICML '21, NAACL '22.
- ACM and ACM-W, Manipal Core committee member.
- Volunteer at Teach Code for Good: An NGO in Manipal that aims to educate underprivileged children between the ages of 11-15 about the basics of coding in Python and HTML/CSS.
- **The Research Society-MIT**
Co-President and Co-Founder
 - Co-founded the Research Society in 2020, a student organization in the Manipal Institute of Technology, with the core aim of providing a platform for undergraduate research. With over a 100 members, it spans several domains including biotechnology, robotics, and artificial intelligence, with several research projects culminating in journal and conference publications.
 - Assisted in mentoring and conducting the training phase for over 20 students in the AI and Cyber-security domains.