KRITHIKA RAMESH

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⌐ Semantic Scholar ⍟ GitHub ⬦ in Linkedin ◉ Website

EDUCATION

Manipal Institute of Technology, Manipal   *2018 – 2022*
B.Tech in Information Technology, (Minor in Computational Intelligence)   CGPA: 8.12/10

EXPERIENCE

Research Intern   *August 2022 – Present*
Microsoft Research India   *Supervisor: Dr. Sunayana Sitaram*

· Domain: Fairness in language models

Research Intern   *January 2022 – July 2022*
Microsoft Research India   *Supervisor: Dr. Rahul Sharma*

· Domain: Privacy-preserving machine learning

Research Intern   *May 2021 – Present*
Indian School of Business, Hyderabad   Supervisors: Dr. Sumeet Kumar, Dr. Ashiqur KhudaBukhsh

· Domain: AI for social good; Potential harm that arises in ML pipelines

RESEARCH EXPERIENCE AND PUBLICATIONS

Fairness in Language Models Beyond English: Gaps and Challenges
K. Ramesh, S. Sitaram, M. Choudhury (Findings of the European Chapter of the Association for Computational Linguistics: EACL 2023)

'Beach' to 'Bitch': Inadvertent Unsafe Transcription of Kids' Content on YouTube
Paper
K. Ramesh, AR KhudaBukhsh, S. Kumar, Proceedings of the Thirty-Sixth AAAI Conference on Artificial Intelligence, 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

EXTRACURRICULARS

- **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

  · 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 **10 domains** some of which include biotechnology, robotics, and artificial intelligence.

  · **25+ papers accepted** to journal and conference proceedings around the world, with 40+ ongoing projects. Organized over 20 webinars where we invited proficient researchers in a variety of fields to discuss their work.

  · Assisted in mentoring and conducting the training phase for over 20 students in the **Artificial Intelligence and Cybersecurity** domains.