

SWATI RAJWAL



EDUCATION

Emory University, USA CS PhD, swati.rajwal@emory.edu	2023 - 2028 CGPA: 3.978/4
Netaji Subhas University of Technology Master of Technology (M.Tech.) Computer Science	2020 - 2022 Dept. Rank 1, Gold Medalist
Indira Gandhi Delhi Technical University for Women Bachelor of Technology (B.Tech.) Computer Science & Engineering	2014-2018 First Class with Distinction

ACADEMIC POSITIONS

Boston Children's Hospital aff. Harvard Med. School <i>Comp. Health Informatics Program w/ Dr. Majumder</i>	June - Aug 2025 Boston, USA
Emory University Center for AI Learning <i>Research Fellow & Lead for AI.Data Lab</i>	Jan - May 2025 Georgia, USA
University of Cambridge <i>Engineering Dept., Research Assistant w/ Dr. Mancini</i>	Jan - Aug 2023 Cambridge, UK
University of Oxford <i>Saïd Business School, Research Assistant</i>	Aug - Dec 2022 Remote, UK

PUBLICATIONS

- * **Rajwal S**, Garg S, Abdel-Salam R, Zayed A. 2025. *Do Biased Models Have Biased Thoughts?* [COLM][Code]
- * **Rajwal S** et al. Understanding LLMs' Rating Behaviors on Novel Psychoactive Substances. [AMIA'25 Poster]
- * Das S, Ge Y, Guo Y, **Rajwal S**, et al. 2-layer RAG for low-resource medical QA using Reddit [JMIR] [AMIA]
- * Guo Y, **Rajwal S**, et al. 2023. Generalizable NLP for Migraine Reporting from Social Media. [AMIA] [Code]
- * **Rajwal S**, et al. 2024. Concerns identification in social media breast cancer cohort. CL4H at LREC-COLING
- * **Rajwal S**, Agichtein E, Sarker A. 2024. Knowledge-Enhanced Few-Shot In-Context Learning for Medical Error Detection & Correction. In Clinical NLP workshop at NAACL'24. [Paper], [Code]
- * Romanou A...**Rajwal S**. et al. Evaluating Multilingual Language Understanding w/ Knowledge [ICLR 2025]
- * **Rajwal S**, et al. 2024. NLP & LLMs for SDOH: Protocol for Systematic Review. [Paper], [Protocol]
- * Das S, Walker D, **Rajwal S**, et al. Self-Harm using sodium nitrite in an online suicide community. [JMIR][Code]
- * Zheng X, **Rajwal S** et al. 2025. *Short-term variability of chronic musculoskeletal pain*. [Paper], [Psychopy]
- * **Rajwal S**. 2023. LiHiSTO: A Comprehensive List of Hindi Stopwords. Springer. [Paper], [Code]
- * **Rajwal S**. 2023. Design of a Chatbot for Children Based on Emotional Intelligence. [Paper]
- * **Rajwal S** & Aggarwal S. 2023. CNN-Based EEG Signal Analysis: A Systematic Review. [Paper]

WORKING PAPERS

- * Walker D., Love J., **Rajwal S.**, et al. 2025. *CARE-SD to assess stigmatizing & doubt-markers in EHR*. [arXiv]

- * Pandey A., **Rajwal S.**, 2025. *Ethical judgment of LLMs in financial market abuse* (under review ACM [ICAIF](#))
- * **Rajwal S.** 2024. *Decade of NLP in Chronic Pain: A Systematic Review*. [[arXiv](#)]
- * Byun G, **Rajwal S**, Choi J.D. 2025. *LLM-as-a-TA: Open-Source Grading Toolkit* [under review at [ACL SRW](#)]
- * Ge, Y... **Rajwal S.**, et al. 2025. *Hierarchically-Informed Data Generation for Biomedical NER*. [[arXiv](#)]
- * The Unreasonable Benchmark. under review at NeurIPS 2025.
- * C4AI. 2025. *Kaleidoscope: In-language Exams for Massively Multilingual Vision Evaluation*. [[arXiv](#)]
- * Walker D, **Rajwal S**, et al. 2025. *Identifying Social Isolation in NVDRS Narratives*. [[arXiv](#)]
- * Peddireddy S, **Rajwal S**, et al. 2025. *Substance Use Among Homicide Suspects: Analysis of NVDRS Narratives*
- * Walker D., Leung J., Alagappan A., **Rajwal S.** et al. *Centering Patient Voices in Lupus Pain*. [under review]

REVIEWING ACTIVITIES

- * **AMIA** 2025: [Informatics Summit](#), [Clinical Informatics Conference](#), [Annual Symposium](#)
- * American Public Health Association (APHA) annual meeting 2025
- * IEEE EMBS Int'l Conf. on Biomedical and Health Informatics (BHI) 2025
- * 13th International Conference on Learning Representations (ICLR) 2025
- * WiML workshop co-located with NeurIPS in 2024 ([Canada](#)) and 2021 (Virtually)
- * Journal of the American Medical Informatics Association (**JAMIA**) 2024
- * Co-organizer at the 9th SMM4H ([ACL 2024](#)) and 10th SMM4H ([ICWSM 2025](#))
- * MEDIQA-CORR@ ClinicalNLP (NAACL) 2024
- * Co-reviewer: CL4Health@NAACL'25, AIME'25, IEEE BIBM'24

SCHOLARSHIPS

- * Travel scholarship to [present](#) at [COLM 2025](#) (Canada)
- * Emory LGS professional development funds awardee 2025 (Boston, USA)
- * WiML NeurIPS Travel Fund by NSF (Canada, 2024)
- * Scholarship approved to participate in 4th Annual Stanford [AI+HEALTH](#) conference (Virtual, 2024)
- * Emory Women in Natural Sciences Fellowship for PhD (Georgia, 2023-25)
- * Vice Chancellor's Gold [Medalist](#) (2023)
- * AICTE Post Graduate scholarship by Govt. of India (New Delhi, 2020-22)
- * AI Education Foundation travel grant to [present](#) at Mediterranean ML Summer School (Italy, 2022)

MAGAZINE ARTICLES

- * The Art of Understanding and Connecting with Your Future Professor (2025). [ACM XRDS](#)
- * A computer scientist's role in Neuroscience (2024). [Women in Neuroscience UK](#)
- * The truth about multitasking in humans (2022). [IEEE Magazine](#)
- * The do's & don'ts of writing a research request email (2022). [ACM XRDS](#)

INDUSTRY EXPERIENCE

Eaton Corporation

Associate Software Engineer, Full Time

Pune, India

2018 - 2020

Accenture Research Lab

Innovations for Sustainability, R&D Senior Analyst Intern

Bangalore, India

Feb - Aug 2022

EXTRA-CURRICULAR

- * Jones Program in Ethics - Laney Graduate School Ambassador (2025); CSI PhD [Ambassador](#) (2024–25)
- * NSF AI Institute for Societal Decision Making [Student Leadership Council \(SLC\)](#)
- * [Project](#) lead at Cohere labs, open source community
- * Mentor at Emory University Association of Women in Science 2023-2024
- * Accepted to the 2025 Summer School in Responsible AI and Human Rights, [Mila](#)
- * Member and Mentor at [Rewriting the Code](#) since 2019
- * Published an [Amazon Alexa Skill](#) for Alexa enabled devices
- * Selected as [Google's Women Techmakers Ambassador](#) in the Cohort of 2022

RELEVANT COURSEWORK

- * BMI-500: Intro. to Ethical Data Science & Informatics (Profs. Gari Clifford, Matthew Reyna)
- * BMI-510: Biostatistics for ML (Prof. McKay); BMI-550: Applied Biomedical NLP (Prof. Sarker)
- * CS-557: AI; CS-572: Information Retrieval (Prof. Eugene Agichtein)
- * CS-571: NLP (Prof. Fei Liu); CS-534: ML (Prof. Joyce Ho)

TEACHING EXPERIENCES

- * CS-329: Computational Linguistics w/ Prof. Jinho Choi (Emory, Spring 2025)
- * CS-534: Machine Learning w/ Prof. Agichtein (Emory, Fall 2024)
- * CS-325: Artificial Intelligence w/ Prof. Agichtein (Emory, Spring 2024)

SESSIONS CONDUCTED

- * Hosted a [session](#) with Dr. Alpana Dubey (Sr. Tech. Researcher) to discuss R&D career
- * [Text Classification](#): Predicting 'Good' or 'Bad' Statements using NLP at Deeplearning.ai platform
- * [Demonstrated a chatbot](#) application using Dialogflow, flask, and Python at Deeplearning.ai session
- * [Customer churn prediction model](#) in Python using Azure ML as Microsoft Learn Student Ambassador