

SWATI RAJWAL



EDUCATION

Emory University, USA CSI 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 <i>Boston, USA</i>
Emory University Center for AI Learning <i>Research Fellow & Lead for AI.Data Lab</i>	Jan - May 2025 <i>Georgia, USA</i>
University of Cambridge <i>Engineering Dept., Research Assistant w/ Dr. Mancini</i>	Jan - Aug 2023 <i>Cambridge, UK</i>
University of Oxford <i>Saïd Business School, Research Assistant</i>	Aug - Dec 2022 <i>Remote, UK</i>

PUBLICATIONS

- * **Rajwal S**, Garg S, Abdel-Salam R, Zayed A. 2025. *Do Biased Models Have Biased Thoughts?* [\[COLM\]](#) [\[Code\]](#)
- * **Rajwal S**, et al. 2024. *Concerns Identification in Social Media Breast Cancer Cohort.* [CL4H](#), LREC-COLING
- * **Rajwal S** et al. *Understanding LLMs' Rating Behaviors on Novel Psychoactive Substances.* [\[AMIA '25 Poster\]](#)
- * Walker D... **Rajwal S** et al. 2025. *Centering Patient Voices in Lupus Pain.* [\[Arthritis Care & Research\]](#)
- * **Rajwal S**, Pandey A, 2025. *Ethical judgment of large language models in financial market abuse* [\[ACM ICAIF\]](#)
- * Das S, Ge Y, Guo Y, **Rajwal S**, et al. 2025. *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**, 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]
- * **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* [arXiv]
- * Ge, Y... **Rajwal S**, et al. 2025. *Hierarchically-Informed Data Generation for Biomedical NER*. [arXiv]
- * 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*

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 2025 (USA), 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

AWARDS & SCHOLARSHIPS

- * AMIA LEAD Fund Trainee & Early Career [Scholarship 2025](#) (Atlanta, USA)
- * Travel scholarship to [present](#) at [COLM 2025](#) (Canada)
- * Emory LGS professional development funds awardee 2025 (Boston, USA)
- * Family Process Institute [New Writers Fellowship](#) (Denver, 2025)
- * 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 (2023-25)
- * [Research Award](#) at NSUT 2025
- * Vice Chancellor's Gold [Medalist](#) (2023)
- * AICTE Post Graduate scholarship by Govt. of India (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 <i>Associate Software Engineer, Full Time</i>	2018 - 2020 Pune, India
Accenture Research Lab <i>Innovations for Sustainability, R&D Senior Analyst Intern</i>	Feb - Aug 2022 Bangalore, India

SHADOWING EXPERIENCES

- * [Dr. Andrew Fine](#): Emergency Medicine, Boston Children's Hospital

EXTRA-CURRICULAR

- * [AMIA NLP Working Group](#) Member-at-Large Student Representative 2026-27
- * Kharen Fulton Award for Inclusive Excellence in Graduate Education, 2025 ([Finalist](#))
- * Laney Graduate School [Ambassador 2025-26](#)
- * Jones Program in Ethics - Laney Graduate School Ambassador (2025)
- * Emory 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 Association of Women in Science 2025-26 and 2023-24
- * Mentor at Emory RHA Meet & Mentor program for undergraduates 2025-26
- * 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