

# SWATI RAJWAL



## EDUCATION

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

## ACADEMIC POSITIONS

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|---|---------------------------------|
| <b>Boston Children's Hospital aff. Harvard Med. School</b><br><i>Comp. Health Informatics <a href="#">Program</a> w/ Dr. Majumder</i> | June - Aug 2025<br>Boston, USA  |
| <b>Emory University Center for AI Learning</b><br><i>Research Fellow &amp; Lead for <a href="#">AI.Data</a> Lab</i>                   | Jan - May 2025<br>Georgia, USA  |
| <b>University of Cambridge</b><br><i>Engineering Dept., <a href="#">Research Assistant</a> w/ Dr. Mancini</i>                         | Jan - Aug 2023<br>Cambridge, UK |
| <b>University of Oxford</b><br><i>Saïd Business School, Research Assistant</i>  | Aug - Dec 2022<br>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. 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]
- \* Pandey A, **Rajwal S**, 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

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- \* 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* [[EAAI-26 Special Track](#)]
- \* 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

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- \* 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
- \* 13<sup>th</sup> 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 9<sup>th</sup> SMM4H ([ACL](#) 2024) and 10<sup>th</sup> SMM4H ([ICWSM](#) 2025)
- \* MEDIQA-CORR@ ClinicalNLP (NAACL) 2024
- \* Co-reviewer: CL4Health@NAACL'25, AIME'25, IEEE BIBM'24

## SCHOLARSHIPS

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- \* 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 4<sup>th</sup> Annual Stanford [AI+HEALTH](#) conference (Virtual, 2024)
- \* Emory Women in Natural Sciences Fellowship for PhD (2023-25)
- \* 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

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- \* 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

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### 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

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- \* Laney Graduate School EDGE Ambassador 2025-26
- \* Jones Program in Ethics - Laney Graduate School Ambassador (2025)
- \* Emory CSI PhD [Ambassador](#) (2024–25)
- \* Supervised Program for Alignment Research (SPAR 2025) Research Fellow
- \* 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

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- \* 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

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- \* 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

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- \* 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

## SHADOWING EXPERIENCES

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