

# Swati Rajwal

📍 Georgia, Atlanta, USA  
✉️ [swati.rajwal@emory.edu](mailto:swati.rajwal@emory.edu)

## Education

**Ph.D. in CS** **2023-28**  
Emory University **GPA: 3.959/4**

**M.Tech. in CS** **2020-22**  
Netaji Subhas Uni. of Tech. **GPA: 8.95/10**

## Teaching Experience

- Comp. Linguistics, Prof. Choi (Emory'25)
- Machine Learn., Prof. Eugene (Emory'24)
- Artificial Intel., Prof. Eugene (Emory'23)
- Data Structures, Prof. Pinaki (NSUT'21)

## Fellowships & Awards

- WiML (NSF) Travel Grant Awardee 2024
- Vice-Chancellor's [Gold Medalist](#) 2023
- [Women in Natural Science](#) Fellow 2023
- [Summer School](#) Travel Award, Italy 2022
- Top 25 Winner, [Azure Dev.](#) Stories 2021

## Presentations

- 2024, Dec.: [Poster @WiML, NeurIPS](#)
- 2024, June: [Poster @ NAACL](#)
- 2024, May: [CL4Health @ LREC-COLING](#)
- 2024, April: [G.Tech. Biomedical AI Symp.](#)
- 2022, Sept.: [Poster @M2L School](#)

## Sessions Conducted

- 9<sup>th</sup> SMM4H @ACL 2024 [🔗](#)
- RL in Financial Markets [🔗](#)
- R&D Career Paths & More! [🔗](#)
- Customer churn prediction, Azure [🔗](#)
- Union of AI and Chatbots [🔗](#)

## Memberships

- Cohere For AI Open Science Community
- [Rewriting the Code](#)
- [Women Techmakers Ambassador](#) 2022
- [WiDS Ambassador](#) 2024 Atlanta Cohort

## Academic Positions

### Cambridge University

Jan-Aug 2023

*Researcher (CBL Lab)*

- Investigated fluctuating values of statistical learning in back pain
- Designed PsychoPy task to record pain & clinical data
- Processed RSTAN data recorded from a [3-armed bandit algo](#)-based task
- Facilitated EPSRC application- received 1,216,800 CPU & 1K GPU hours

### Oxford University

Aug-Dec 2022

*Software RA (Quant. Customer Analytics)*

- Project on consumer reaction to their synthetic facial lookalikes
- Applied Generative adversarial networks (**GANs**) in marketing & ads.
- Automated image processing using the StyleGAN3 model in Python.
- With Dr. Efremova, Prof. Hadi, Prof. Andrew, & WPP (industry partner)

## Latest Publications

- **Rajwal, S.**, et al. (2024). Unveiling Voices: Identification of Concerns in a Social Media Breast Cancer via NLP. LREC-COLING. [\[Paper\]](#), [\[Code\]](#)
- **Rajwal, S.**, et al. (2024). Knowledge-Enhanced In-Context Learning for Medical Error Detection & Correction. NAACL. [\[Paper\]](#), [\[Code\]](#)
- Romanou, A., et al. **Rajwal, S.**, . . . Hooker, S., Bosselut, A. (2024). INCLUDE: Evaluating Multilingual Language Understanding with Regional Knowledge. ArXiv. [arxiv.org/abs/2411.19799](https://arxiv.org/abs/2411.19799)
- **Rajwal, S.** (2023) LiHiSTO: A Comprehensive List of Hindi Stopwords. Springer. [\[Paper\]](#), [\[Code\]](#)
- S Das, D Walker, **Rajwal S.**, et al. (2023) Emerging Trends in Self-Harm: Sodium Nitrite and an Online Suicide Community. JMIR. [\[Paper\]](#), [\[Code\]](#)
- Guo, Y., **Rajwal, S.**, et al. (2023) Generalizable NLP Framework for Migraine Reporting from social media. AMIA [\[Paper\]](#), [\[Code\]](#)
- **Rajwal, S.** (2023). Design of a Chatbot for Children Based on Emotional Intelligence, Springer. [\[Paper\]](#)
- **Rajwal, S.** & Aggarwal (2023). CNN-Based EEG Signal Analysis: A Systematic Review. Springer. [\[Paper\]](#)

## Industry Positions

### Accenture Technology

Feb-Aug 2022

*Senior R&D Analyst (Intern)*

- Created a tool to gauge **software solution frugality**.
- Tool suggests best practices and **trade-offs** for frugal software.
- Presented PoC & project outcomes to stakeholders and research team.

### Eaton Corporation

2018 - 2020

*Associate Software Engineer (Full Time)*

- Implemented smart home intents to control device via Google assistant.
- Developed Angular dashboard to push Eaton's data to Azure DB
- Implemented CRUD ops. for the 'routines' in smart devices **Ionic App**