

Swati Rajwal

📍 Georgia, Atlanta, USA
✉ swati.rajwal@emory.edu

Education

MS+Ph.D. in CS **2023-28**
Emory University **GPA: 3.978/4**

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)

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

- 9th 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

Emory Center for AI Learning

Jan-May 2025

Research Fellow & Lead

- Colab w/ project sponsors to establish goals & evaluated deliverables
- Helped students on technical skills via mini-lectures & in-person Q&A

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). Identification of Concerns in a Social Media Breast Cancer via NLP. LREC-COLING. [[Paper](#)], [[Code](#)], [[NeurIPS](#)]
- **Rajwal, S.**, et al. (2024). Knowledge-Enhanced In-Context Learning for Medical Error Detection & Correction. NAACL. [[Paper](#)], [[Code](#)]
- Romanou, A., et al. **Rajwal, S.**, et al. (2024). INCLUDE: Evaluating Multilingual Language Understanding w/ Regional Knowledge. [[Paper](#)]
- **Rajwal, S.** (2023) LiHiSTO: List of Hindi Stopwords. Springer. [[Paper](#)]
- 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](#)], [[Code](#)]
- **Rajwal, S.** (2023). Design of a Chatbot for Children. [[Springer](#)]
- **Rajwal, S.** et al. (2023). CNN-Based EEG Signal Analysis. [[Springer](#)]

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.

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**