

SAYANTAN PAL

✉ [Email](#) 🏠 [Website](#) [in](#) [LinkedIn](#) [G](#) [Github](#)

Summary

PhD student in Computer Science specializing in personalized conversational AI and large language models (LLMs). Research focuses include LLM personalization, evaluation, and dialogue systems for user-specific interactions.

Education

The State University of New York at Buffalo

PhD in Computer Science and Engineering, GPA 3.89/4

Aug 2022 – Present

Buffalo, New York, United States

Heritage Institute of Technology

B.Tech in Computer Science and Engineering, GPA 9.0/10

July 2018 – July 2022

Kolkata, West Bengal, India

Publications

- **Beyond Discrete Personas: Personality Modeling Through Journal Intensive Conversations** *COLING 2025*, Jan 2025
- **Empowering AAC Users: A Systematic Integration of Personal Narratives with Conversational AI** *CustomNLP4U, EMNLP 2024*, Nov 2024
- **Mitigating Clickbait: An Approach to Spoiler Generation Using Multitask Learning** *ICON 2023*, Dec 2023
- **Summary Generation using NLP Techniques and Cosine Similarity** *ISDA 2021*, Dec 2021

Professional Experience

Mitacs Globalink Research Internship

Dr. Maiga Chang, Professor

May 2021 – July 2021

Athabasca University, Edmonton, AB, Canada

- Developed a web-based Automatic Answering Service for COVID-19 queries, processing over 236,000 texts with NLP techniques. Published paper: [here](#).

Amazon Alexa Student Influencer

Karthik Ragubathy, Senior Solutions Architect at Amazon

June 2020 – June 2021

Amazon India, Bangalore WTC, India

- Built Alexa skills using Node.js, organized developer events, and led a [community](#) of 250+ Alexa enthusiasts. Video link: [here](#).

Summer Research Internship

Dr. Pabitra Mitra, Professor

June 2020 – August 2020

Indian Institute of Technology, Kharagpur, WB, India

- Researched land-cover classification in satellite images, reviewed semantic segmentation algorithms, and analyzed data from various sources.

Elahe Technologies Summer Internship

Dr. Prosenjit Gupta, Professor

May 2020 – July 2020

Elahe Technologies, Kolkata, WB, India

- Conducted sentiment analysis on 346,355 Amazon HPC reviews, vectorized data with Tf-Idf and Word2Vec, achieving 85% accuracy.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS (Bootstrap), JavaScript, PHP, SQL

Libraries/Frameworks: PyTorch, Transformers, Huggingface, NLTK, Numpy, Scikit-learn, Matplotlib, Seaborn, Pandas, spaCy

Achievements

- **Grand Finalists of TVS CREDIT E.P.I.C SEASON 2:** Visit: [D2C Competitive Leaders 2021](#).
- **Among Top 2 Percentile In WBJEE:** Secured a rank of 4130 out of 150k participants in WBJEE 2018.
- **Among Top 1 Percentile In International Informatics Olympiad:** Secured International Rank 126 in International Informatics Olympiad (IIO) 2014, Level 1 Secured International Rank 21 in International Informatics Olympiad (IIO) 2014, Level 2 (Obtained silver medal).

Leadership/Extracurricular

- **Chair**, ACM Student's Chapter HITK July 2021 – July 2022
- **Webmaster**, ACM Student's Chapter HITK July 2019 – July 2020