SAYANTAN PAL

✉ Email   ⌂ Website   in LinkedIn   ○ 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   **Aug 2022 – Present**
PhD in Computer Science and Engineering, GPA 3.89/4   *Buffalo, New York, United States*

Heritage Institute of Technology   **July 2018 – July 2022**
B.Tech in Computer Science and Engineering, GPA 9.0/10   *Kolkata, West Bengal, India*

Publications

- **Harmonious Minds: Benchmarking Intertwined Reasoning of Human Personality and Musical Preference**
  Sayantan Pal, Souvik Das, Rohini K. Srihari   *IJCNLP-AACL 2025*
- **Beyond Discrete Personas: Personality Modeling Through Journal Intensive Conversations**
  Sayantan Pal, Souvik Das, Rohini K. Srihari   *COLING 2025*
- **Empowering AAC Users: A Systematic Integration of Personal Narratives with Conversational AI**
  Sayantan Pal, Souvik Das, Rohini K. Srihari, Jeff Higginbotham, Jenna Bizovi   *CustomNLP4U, EMNLP 2024*
- **Mitigating Clickbait: An Approach to Spoiler Generation Using Multitask Learning**
  Sayantan Pal, Souvik Das, Rohini K. Srihari   *ICON 2023*
- **Summary Generation using NLP Techniques and Cosine Similarity**
  Sayantan Pal, Maiga Chang, Maria Fernandez Iriarte   *ISDA 2021*

Professional Experience

- **Member of Technical Staff Intern'25, Nutanix**, San Jose, CA (Jun–Dec 2025) - Developing an agentic LogRAG system to help QA engineering teams triage service failures and perform root-cause analysis (RCA); benchmarking system quality and efficiency, reducing manual investigation time from days to minutes.
- **Mitacs Globalink Research Intern'21**, Athabasca University (May–July 2021) - Developed a web-based NLP system that automatically answered COVID-19 queries, processing over 236K texts; results published in Springer LNNS.
- **Amazon Alexa Student Influencer'21**, Amazon India (Jun 2020–Jun 2021) - Built Alexa skills using Node.js, organized developer events, and led a community of 250+ Alexa enthusiasts under the mentorship of Karthik Ragubathy (Senior Solutions Architect). Featured in video showcase.
- **Summer Research Intern'20, IIT Kharagpur** (Jun–Aug 2020) - Researched land-cover classification in satellite imagery under Dr. Pabitra Mitra; reviewed semantic segmentation algorithms and analyzed data from multiple public datasets. LOR.
- **Summer Intern'20, Elahe Technologies** (May–Jul 2020) - Conducted sentiment analysis on 346K+ Amazon Health Personal Care reviews under Dr. Prosenjit Gupta; vectorized text using TF-IDF and Word2Vec, achieving 85% accuracy. Project repository.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS (Bootstrap), JavaScript, PHP, SQL
Libraries/Frameworks: PyTorch, Transformers, Huggingface, LangChain, Numpy, Scikit-learn, Matplotlib, Seaborn, Pandas, spaCy, PostgreSQL

Achievements

- **2025 Nutanix Intern Hackathon Winner**: Badge.
- **Grand Finalists of TVS CREDIT E.P.I.C SEASON 2**: D2C Competitive Leaders 2021.
- **Among Top 1 Percentile In International Informatics Olympiad**: Secured International Rank 21 in IIO 2014, Level 2

Leadership/Extracurricular

- **Reviewer**   *EMNLP'23, EMNLP'25, IUI'26*
- **Chair (2021-22), Webmaster (2019-20)**   *ACM Student's Chapter HITK*