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

- **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

Mitacs Globalink Research Internship   **May 2021 – July 2021**
Dr. Maiga Chang, Professor   *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   **June 2020 – June 2021**
Karthik Ragubathy, Senior Solutions Architect at Amazon   *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   **June 2020 – August 2020**
Dr. Pabitra Mitra, Professor   *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   **May 2020 – July 2020**
Dr. Prosenjit Gupta, Professor   *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 1 Percentile In International Informatics Olympiad**: Secured International Rank 21 in IIO 2014, Level 2

Leadership/Extracurricular

- **Reviewer**   *EMNLP 2023*
- **Chair (2021-22), Webmaster (2019-20)**   *ACM Student's Chapter HITK*