ANJALI SINGH

Student | Los Angeles, California 90007 | (323) 401-2257 | singhanj@usc.edu | linkedin.com/in/anjalis2112

EXPERIENCE

Goldman Sachs   Bengaluru, India
Engineering Analyst   August 2022-June 2023
- Pioneered a robust volume testing framework with Gatling, Java, and React
- Created the Deal Management Website front-end module using React for improved user interaction
- Orchestrated migration of on-premise services to AWS, optimizing system performance
- Innovated an email notification service for IPO workflow task management using Kafka

Goldman Sachs   Bengaluru, India
Summer Intern   June 2021-July 2021
- Collaborated on demising of legacy applications, contributing to modernizing systems and boosting operational efficiency by creating new systems using Django and Appian
- Developed the front-end and back-end of a new webpage for entering appraisal data of commercial properties within loans

IBM   Bengaluru, India
Global Remote Mentorship Intern   August 2020-May 2021
- Explored various challenges of explaining Graph Neural Networks (GNNs) compared to tabular models using Entity Matching, aiming to bridge the gap in explainability techniques
- Proposed improvements for GNN explanations, addressing feature importance, node-level insights, and contextual edge relevance

EDUCATION

University of Southern California   Los Angeles, CA, US
Master of Science (M.S.)   August 2023-Present
Relevant Coursework: CSCI 567: Machine Learning, CSCI 570: Analysis of Algorithms

Manipal Institute of Technology   Manipal, India
Bachelor of Technology (BTech) GPA: 9.48/10   July 2018-July 2022
Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Data Warehousing and Data Mining, Neural Networks and Fuzzy Logics, Big Data Specialization, Human Computer Interaction

SKILLS
- Programming Languages: Python, Java, C++, SQL
- Programming Frameworks: PyTorch, NLTK, Git, AWS, SpringBoot, Django, Android Studio, React

PUBLICATIONS
- Reimagining GNN Explanations with Tabular Data Insights @ ICML 2021 Workshop on Theoretic Foundation, Criticism, and Application Trend of Explainable AI

PROJECTS

Mitigating Bias in Indic Language Models   January 2022-April 2022
- Led a project focused on addressing bias in GPT-2 language models for the Hindi language
- Trained GPT-2 models on Indian texts and leveraged Domain Adaptive Pretraining techniques to mitigate bias , contributing to improved fairness and accuracy by utilizing RNNs and LSTMs to understand and address evolving biases within the models
- Conducted a comprehensive analysis involving native speakers to assess the effectiveness of bias mitigation

Dining Hall Management Android Application (Amidst COVID-19)   May 2021-June 2021
- Conceptualized and developed an innovative Android application to monitor real-time crowd levels in dining halls, crucial for
- Leveraged Near Field Communication (NFC) technology to streamline crowd management and maintain social distancing

Patient Scheduling Algorithm   March 2020-June 2020
- Implemented an innovative scheduling algorithm for an Emergency Department based on "A Genetic Algorithm for Solving Patient-Priority-Based Elective Surgery Scheduling Problem" by Yu Wang et. al
- Explored applications of Genetic Algorithms in real-life applications and improvised the algorithm to enhance its efficiency and effectiveness