Sai Kiran Anumalla

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EDUCATION

Northeastern University
Master of Science in Computer Science
Boston, Massachussets
Sep 2023 - Dec 2025

Indian Institute of Technology (BHU) Varanasi
Bachelor of Technology in Computer Science and Engineering; CGPA 8.34/10
Varanasi, India
Jul 2017 - May 2021

PROGRAMMING SKILLS

Languages: Java , C/C++ , Python   **Technologies:** Springboot , Git , SQL , Redis , Kafka , Azure

EXPERIENCE

BNY Mellon Technology
Lead Full Stack Developer · Eagle Investment Systems
Pune, India
Jun 2021 - Jul 2023

- Designed, implemented, and tested various features for microservices based on Springboot
- Contributed to the development of a cross-component data service focused on orchestrating and publishing data from upstream to downstream systems
- Created camunda based tasks in microservices for orchestrating workflows
- Worked in Agile Methodology using Scrum

Samsung Reasearch and Development Institute
Software Developer Intern · Advanced Computer Systems
Noida, India
May 2020 - Jun 2020

- Worked on a project titled Dense Captioning Events in Videos which uses Bi-modal Transformer with Proposal Generator (BMT), which efficiently utilizes audio and visual input sequences to select events in a video and, then, use these clips to generate a textual description

PROJECTS

Link Prediction in Complex Networks

As part of Bachelors project, implemented a novel framework based on the mutual information of network structures which not only did improve the prediction accuracy substantially, but also experienced reasonable computing complexity. Also compared its accuracy with various local simlarity based approaches like Common Neighbors, CAR, CRA, Resource Allocation for various datasets

Dealing with Imbalanced Data

Explored different methods for dealing with imbalanced dataset like, Credit Card Fraud Detection Dataset with only 0.2 percent of transactions being classified as fraudulent. Compared scores of various metrics on methods like oversampling minority class, undersampling majority class, generate synthetic samples using SMOTE. Employed various algorithms like CNN, Linear Regression and Random Forests Classifier for classification

Campus supermarket digitization

Developed a relational database management system using MySQL, Java and Springboot, wherein the owner and employees can manage the data like customers, sales, invoices, expenses, employees and products. Implemented user authentication and authorization for employees and owner using Spring Security

Face Recognition based Attendance System

Implemented LBP algorithm for face recognition and OpenCV for face detection. Trained the model using calTech faces dataset and achieved an accuracy of 96 percent. Developed a web app using Django in Python around this algorithm