

Sai Sri Datta Adduri

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EDUCATION

- Indian Institute of Technology, Guwahati

B.Tech, Computer Science and Engineering

Guwahati, India

July 2019 - June 2023

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Software Engineering, Machine Learning, Database Management Systems

EXPERIENCE

- **Jio - Infocomm**

July 2023 - Present

Software Development Engineer

- Engineered and Deployed an ML-powered Avatar Generation Microservice on Azure and GCP.
- Built and maintained an OAM client for service registration, health monitoring, and command handling.
- Enhanced microservice architecture, achieving 20% faster data transmission and 30% lower server response times by optimizing WebSocket and HTTP communications.

- Samsung Research & Development Institute

May 2022 - July 2022

Software Research Intern

- Boosted data throughput by 25% by developing a real-time analytics engine using C++ for backend processing.
- Optimized SQL queries, improving data retrieval efficiency by 30%.
- Developed an interactive Tableau dashboard, reducing data interpretation time and enhancing data integrity.

PROJECTS

- Real-Time-Data-Processing-System

bit.ly/41yeOMC

- Built a real-time data processing system with Kafka, RabbitMQ, and Node.js for low-latency transaction handling.
- Designed producers, consumers, and backend architecture, deploying with Docker for scalability.

- **Movie Recommendation System**

bit.ly/3ZTkKyJ

- Implemented Content-Based and Collaborative Filtering techniques (SVD, KNN) using IMDB data to generate personalized movie recommendations.
- Applied Dimensionality Reduction with TruncatedSVD to optimize the sparse matrix, enhancing the efficiency and accuracy of the recommendation process.

- **Two Pass Assembler, Linker, and Loader**

bit.ly/4iCRGCJ

- Implemented a Two Pass Assembler, in C++ and a two-pass Linking Loader for SIC/XE machine.

- **File Sharing**

bit.ly/41zMERr

- Developed a Django based web portal that facilitates users to share files over the institute's network.
- Users can upload files and be able to browse other users' files and folders including additional features.

TECHNICAL SKILLS

- **Programming languages:** C++, C, Python, Java

- **Web Technologies:** HTML, CSS, Javascript, NodeJs, React, Django

- **Cloud Platforms:** Azure, GCP

- **Miscellaneous:** Kubernetes, Docker, Git, Latex, Linux, MYSQL, RabbitMQ, Kafka, Websocket

ACHIEVEMENTS

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- Competitive Programming

Rated Expert with 1619 in Codeforces

- Joint Entrance Exam, 2019

Secured All India rank 448 in JEE Advanced and 149 in JEE Mains.

- AMTI Exam, 2015

Secured All India rank 20.