Rohith Syam Livingston Dasi

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Summary

I am a software engineering student who enjoys the process of building things, from full-stack web apps to complex backend systems. My hands-on experience with Python, JavaScript, and cloud tools like AWS has given me a solid foundation for tackling large-scale, mission-critical projects. I'm looking for a fast-paced, collaborative team where I can apply these skills to solve real-world financial challenges and grow as an engineer.

Education

Sasi Institute of Technology and Engineering *Expected May 2026*
B.Tech in Computer Science and Engineering CGPA: 8.6/10.0

Rajiv Gandhi University of Knowledge and Technology *Completed May 2022*
Pre-University Course CGPA: 8.5/10.0

Skills

Languages
Java, Python, C, JavaScript (ES6+), SQL

Backend Development
Node.js, Express.js, Flask, WebSockets

Databases
MySQL, MongoDB, Neo4j, Qdrant

Cloud & DevOps
AWS (EC2, S3), Docker, Jenkins, Git

Frontend Development
React, HTML, CSS, Jest, TypeScript

Software Engineering & Paradigms
OOP, Functional Programming, Os , CN , Data Structures

Internship Experience

Product development Intern *Remote*
NIT Andhra Pradesh , Mentored by Prof. Sri Phani Krishna Karri, NVIDIA DLI Ambassador *May 2025 – Present*

- Engineered an AI-powered student support chatbot using the MERN stack, integrating a Retrieval-Augmented Generation (RAG) service for context-aware responses, enhancing conceptual clarity through curated document retrieval and semantic search.
- Enabled critical thinking support by incorporating a knowledge graph-driven module that guides students through logical reasoning and concept linkage.
- Achieved a 40% boost in response accuracy and 30% reduction in code redundancy by leveraging reusable React components and modular backend design.

Projects

Fraud Detection System API Demo

- Developed a scalable and low-latency ML-powered API to assess fraud risk scores in real time, analyzing high-volume transaction data using an anomaly detection model trained on user spending behavior.
- Integrated a reliable Random Forest-based classifier to flag suspicious patterns,it can be easily integrated enhancing fraud detection accuracy in financial environments.
- Engineered the backend for high availability and fault tolerance, ensuring consistent performance under peak loads and concurrent API calls. reducing analytical query latency by 60%

Leave and Attendance Automation System Demo

- Designed and implemented a fully automated leave approval system, streamlining processes and improving approval turnaround time by 45%.
- Built an intelligent dashboard with real-time visualization of attendance metrics, enabling data-informed decisions on resource planning and leave policies.
- Integrated role-based access and activity logs to ensure transparency and accountability across the approval chain.

Note-it.up: AI-Powered Collaborative Notes Platform Demo

- Engineered an event-driven, real-time engine with **Socket.io** that reduced data transfer for concurrent edits by over **95%** compared to traditional polling methods, ensuring a fluid user experience.
- Delivered a full-stack MERN application with **10+ core features** (including JWT auth, live collaboration, and AI integration) in a 24-hour hackathon by a team of four .
- Implemented an AI summarization feature that processes large documents, providing users with key insights and achieving an estimated **80% reduction in reading time** for long-form content.