VENNETI SRI SATYA VINAY

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EDUCATION

B. Tech + Honors in CSE at IIIT Hyderabad Nov 2020 – May 2024
Honors Research at CSTAR Lab (Security Domain), IIIT Hyderabad *CGPA: 9.18*

EXPERIENCE

Program Associate August 2024 – Present
Wells Fargo *Hyderabad, India*
- Developed an integrated platform environment using RAG to assist a platform engineer in a hackathon. Used Adobe Experience platform to develop real-time customer profiles. Developed several utilities in Python to ease the development process.

Backend Developer Intern May 2023 – July 2023
Remedo Clinitech *Noida, India*
- Developed unit tests for the core backend repository using Typescript, NestJS, Jest, SQLite, TypeORM etc. It involved database mocking using SQLite and integration.

Software Development Engineer Intern Jan 2022 – July 2023
Virtual Labs *Hyderabad, India*
- Created 10 VLSI simulations with jsPlumb and Bulma for Virtual Labs, a MHRD project. Used Agile method.

Research Associate Aug 2022 – May 2024
CSTAR Lab, IIITH *Hyderabad, India*
- Worked on a MeitY-funded research project. Designed and developed the project prototype focusing on the blockchain architecture and building smart contracts using HyperLedger Fabric.

PROJECTS

Platform Support - Integrated Platform Environment | ReactJS, Flask, Gemini, Langchain, RAG
An AI-powered platform that empowers support engineers with agentic tools for instant root cause analysis, incident retrieval, and contextual troubleshooting.

Canteen Portal Web App | ReactJS, Express, MongoDB, NodeJS (MERN)
Built a Canteen Portal where Vendors can sell food items and customers can order them and track the order.

Aspect based Sentiment Analysis | NLP, Pytorch
Used gated convolution neural networks with aspect embeddings to find sentiment polarity of a restaurant review.

Mini Clash of Clans game | Python, OOPs
An ASCII based terminal version of Basic Clash of Clans made following OOP standards.

My C Shell | C, Syscalls, Linux
A bash-like command interpreter with process management, piping, redirection & built-in system commands.

Covid Tracker Database | SQL, Python, Databases
Built a DB model to manage and store people, vaccination centers and vaccines for COVID-19.

ACHIEVEMENTS

- Deans Honors List (top 5%; 2022/2023), Merit List (top 20%; 2020/2022) for excellence in academics.
- AIR 841 in JEE main 2020, AIR 2297 in JEE Advanced 2020.
- TA for the course Introduction to Information Security (Responsible for teaching, making and grading assignments and exams).

TECHNICAL SKILLS

Proficient: C++, C, Python, Javascript, Typescript, Bash, Git, Linux, ReactJS, Express, Next.js

Familiar: Azure, Kubernetes, Spring Boot, Java, Jest, NodeJS, Hyperledger Fabric, MongoDB, MySQL, Pytorch, Golang, NumPy, LaTeX, NestJS, Pandas, Docker, IoT.

Hobbies: Travelling, Swimming, Singing, Table Tennis, Watching movies