Rishi Jha

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EDUCATION

Vellore Institute of Technology   Bhopal,India

- *Bachelor of Technology - Computer Science and Engineering **CGPA: 8.05***   *Aug 2022 - Jul 2026*

EXPERIENCE

BlueStock.in   Jan 2025 - Present

SDE Intern   ***remote***

- Developed a full-stack stock price prediction application with real-time stock listing of different companies.
- Planned and implemented core functionalities, including price listings, with buying and selling functionality for each stock .
- Utilized D3.js library for virtualizing candlestick graphs in real time.
- Used javaScript framework stack technologies for several functionalities including React, express, Nodejs and mongoDB .
- I completed this internship with team of 6 members by collaborating on code and documentation in the project.

PROJECTS

Attend AI   [Github Link]

- **System Architecture:** Attend-AI is an intelligent attendance tracking system with a Vite + React–based user interface that enables faculty and authorities to track student attendance quickly and efficiently,

- **Key Features**: Implemented a face recognition–based attendance system using a FastAPI backend written in Python. Faculty members can upload student details via CSV files, which are processed and stored securely in the database

- **Visualization:** Used D3.js to transform stored attendance data into interactive visualizations, presenting attendance trends in daily, weekly, and monthly formats.

- **Tech Stack Used:** Python, JavaScript, React, Node.js, FastAPI, Ngrok

SIEM: Project Summary & Technical Specifications   [Github Link]

- Engineered a high-concurrency log ingestion pipeline using Python asyncio and uvicorn, supporting Syslog (UDP/TCP 514), file tailing, and REST APIs.
- Generated personalized Built a YAML-driven correlation engine to detect complex attack patterns like Brute Force, Lateral Movement, and Data Exfiltration in real-time.
- Designed an interactive SOC Analyst Dashboard using React 18 and WebSockets, providing live threat visualizations, event timelines, and risk heatmaps.
- **Tech Stack Used**: Python, JavaScript, React, TypeScript, Flask, FastAPI, MySQL

Multi-Agent Medical Assistant   [Github Link]

- Created an AI-driven multi-agent Medical Assistant streamlining clinical workflows for 50+ healthcare and medical services with a 60% reduction in patients query response time from early versions
- Built a multi-agent system with specialized agents for symptom analysis and query responses, achieving 88% accuracy in preliminary diagnosis recommendations.
- Developed scalable Python-based architecture using external APIs and microservices
- Integrated advanced LLMs including Gemini and GPT models, improving medical information accessibility and reduced healthcare consultation wait time
- **Tech Stack Used**: Kaggle datasets, Pandas and Numpy, React, FastAPI, Flask , OAuth2.0 , Gemini-api

SKILLS

- **Languages**:   Python, JavaScript, Java, C/C++, HTML, CSS
- **Frameworks:**   React, Node.js, Express, Flask, FastAPI, Django
- **Databases:**   MySQL, MongoDB, SQLite, Supabase
- **AI/ML:**   TensorFlow, PyTorch, Scikit-learn, HuggingFace, NumPy, Pandas
- **Tools & Platforms**:   AWS, Git, Docker, Ngrok

Certifications

AWS Academy Cloud Architecting - certification   AWS Academy Cloud Foundation - certification

Generative AI Using IBM WatsonX (IBM) - certification   Bluestock.in - certification

ACHIEVEMENTS

- Selected to be part of the **McKinsey Forward** Program – Program-invite-email
- Achieved 1st place in rocket building competition by **Nebula SEDS** and **Karman** at the college with a team of 8 - certificate
- Selected to be a member at the GSoC club event management team at VIT Bhopal University under my leadership
  led event management for two major hackathons at our college.