Mareddy Madhav

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Machilipatnam, Andhra Pradesh, India

EDUCATION

Vellore institute of technology <div align="right">Chennai, India</div>

Bachelor of Technology in Electronics and Computer Engineering — CGPA: 8.09/10.0 <div align="right">*Sept 2022 – July 2026*</div>

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Distributed Databases, System Design, Cloud Computing, Machine Learning, Deep Learning

EXPERIENCE

Volta <div align="right">Hyderabad, India</div>

Software Developer Intern <div align="right">*May 2025 – Jun 2025*</div>

- Developed an Interns Management System to streamline task management for interns.
- Built features for assigning, monitoring, and reviewing tasks with real-time status updates.
- Developed role-based dashboards, increasing transparency and reducing managerial oversight by 25%

Bharat Electronics Limited <div align="right">Machilipatnam</div>

Product Assurance Intern <div align="right">*June 2024 – July 2024*</div>

- Conducted quality assurance testing and validation for electronic products, ensuring compliance with industry standards
- Analyzed product performance data and prepared technical reports for engineering teams to optimize product reliability
- Collaborated with manufacturing and R&D teams to establish testing protocols and quality benchmarks

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL, JavaScript
Web Technologies: Node.js, Express.js, React.js, REST APIs, Streamlit
Databases: MySQL, RDBMS, Distributed Databases, Pinecone (Vector DB)
Cloud & Tools: Microsoft Azure, Git, GitHub
Core Competencies: Data Structures & Algorithms, System Design, Backend Development, Problem Solving

ACHIEVEMENTS & CERTIFICATIONS

Deloitte– Data Analytics Job Simulation – View Credential
Spoken Tutorial Project at IIT-Bombay – View Credential
Complete Fullstack Web Development – View Credential
Won third position at Hackfest 2024 (SAP-sponsored) among 100+ participants
Represented VIT Chennai at the SSN College inter-college tennis tournament, contributing to a Bronze medal finish.

PROJECTS

RedStox – AI-powered Stock Market Research Assistant

- Built a full-stack Streamlit-based financial dashboard integrating technical, fundamental, sentiment analysis, and natural language Q&A modules
- Implemented technical indicators such as SMA, RSI, MACD using yFinance historical data and visualized them with interactive charts
- Integrated Claude AI via API to generate intelligent investment recommendations
- Developed real-time sentiment analysis using NewsAPI and newspaper3k by scraping market news

AI-POWERED CODE REVIEW PLATFORM

- Built a full-stack AI-powered code review tool that generates contextual feedback on submitted code snippets using Google GenAI API
- Developed RESTful APIs with Node.js and Express.js backend to handle code submission and AI-generated review responses
- Implemented React frontend with Vite build tooling, featuring PrismJS syntax highlighting and Markdown rendering for enhanced code readability
- Integrated Axios for efficient HTTP requests and API communication between frontend and backend services

Intern Management Dashboard

- Built a responsive web-based intern tracker enabling managers to assign tasks, monitor progress, and track completion metrics
- Designed and developed reusable React components including cards, forms, and modals to ensure consistent UI/UX across the application
- Implemented state management using React Hooks (useState, useEffect) for dynamic UI updates and real-time data synchronization