V S P MAHESH

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OBJECTIVE

Enthusiastic Computer Science student with exceptional academic performance and hands-on experience in frontend development, RESTful APIs, ML applications, and Docker-based microservices. Passionate about solving real-world challenges through innovative development and cross-functional collaboration.

EDUCATION

LENDI Institute of Engineering and Technology   **2022 − 2026**
B.Tech in Computer Science and Information Technology   Vizianagaram, AP
CGPA: 8.97/10

CERTIFICATIONS

- **Front-End Development** – Infosys Springboard (2024)
- **Cloud Computing (AWS)** – Amazon Web Services (2024)

SKILLS

Programming:	Java, Python, C
Web Technologies:	HTML5, CSS3, JavaScript, React.js, Responsive Design
Frameworks & Tools:	Git, GitHub, FastAPI, TensorFlow, OpenCV, Leaflet.js
APIs & Deployment:	REST API, JWT Authentication, Docker
Databases:	MySQL, SQLite, MongoDB
Soft Skills:	Communication, Critical Thinking, Team Management, Problem-Solving

EXPERIENCE

Software Engineering Intern – Turtil   **May – Jun 2025**

- Architected microservices for Study Buddy Matching system with logic-based algorithms
- Engineered secure, scalable REST APIs handling goal matching for 100+ users
- Implemented Docker containerization ensuring offline deterministic matching for scalability

Frontend Developer Intern – Brainmage.ai   **Jan – May 2025**

- Built responsive React.js components and optimized user interaction workflows
- Designed UI flows for LLM-based response quality improvements in AI applications
- Collaborated cross-functionally to deliver production-ready features on schedule

KEY PROJECTS

Transaction Fraud Detection System
Python, Scikit-learn, Pandas, Jupyter, OpenCV
- Developed comprehensive ML-based fraud detection system with real-time transaction monitoring capabilities
- Implemented advanced feature engineering and anomaly detection algorithms achieving 20% fraud risk reduction
- Built interactive dashboard for fraud analysts with visualization of transaction patterns and risk scores
- Integrated OpenCV for document verification and identity authentication processes

Culture & Heritage Blog Platform
HTML, CSS, JavaScript, Python, TensorFlow, OpenCV
- Created comprehensive digital heritage platform featuring AI-powered artifact recognition and classification
- Developed blog-style content management system for documenting cultural sites and historical information
- Implemented TensorFlow-based image recognition to identify and categorize 50+ heritage artifacts
- Built responsive web interface with search functionality and interactive galleries for heritage exploration

NDMA Disaster Management Dashboard
React.js, FastAPI, Leaflet.js, REST API, JWT Auth
- Designed real-time incident tracking and response coordination system for Indian disaster management authorities
- Built interactive map-based visualization using Leaflet.js for geographic incident plotting and resource allocation
- Implemented secure JWT authentication with role-based access control for different authority levels
- Developed FastAPI backend with real-time data processing and automated alert generation capabilities