R SAI DHEERAJ

📍 Chittoor,AndhraPradesh | ✉ 16saidheeraj@gmail.com | 📱 +91-9908918853 | 🌐
https://www.linkedin.com/in/sai-dheeraj-a1145830b/ | 💻 https://github.com/SaiDheeraj-19

PROFESSIONAL SUMMARY

Full-Stack Developer and Computer Science undergraduate specializing in secure, AI-enabled, and real-time web and mobile systems. Experienced in building biometric + geolocation-verified platforms, modern e-commerce architectures, and speech-to-text translation pipelines. Strong background in Node.js, Next.js, React, MongoDB, Flutter, and cloud-ready system design.

TECHNICAL SKILLS

Frontend: React 19, Next.js, TypeScript, Tailwind CSS, Vite
Backend: Node.js, Express.js, MongoDB, Supabase
Mobile: Flutter, Dart
AI & Data: OpenAI APIs, Google GenAI SDK, Speech-to-Text, Translation Pipelines
Security & Auth: JWT, Bcrypt, Role-Based Access Control (RBAC), Geolocation, Face Recognition
Tools: Git, GitHub, REST APIs, React Router v7

PROJECTS

SMART ATTENDANCE SYSTEM – 3-Factor Secure Academic Platform

Node.js | Next.js | MongoDB | Face Recognition | GPS Geofencing
GitHub: https://github.com/SaiDheeraj-19/Solvra-SmartAttendance

- Built a fraud-proof attendance system using face recognition, GPS geofencing, and session-specific QR codes to eliminate proxy attendance.
- Implemented JWT-based authentication, Bcrypt-encrypted passwords, and role-based access control for Students, Faculty, and Admin.

- Designed real-time location validation ensuring attendance can only be marked from authorized classrooms.
- Developed a scalable full-stack architecture using Next.js frontend and Node.js + MongoDB backend.

AI-READY E-COMMERCE PLATFORM

React 19 | TypeScript | Supabase | Tailwind CSS | Google GenAI SDK

- Built a modern single-page e-commerce platform using React 19, TypeScript, and Vite for high-performance UI and fast development.
- Integrated Supabase for backend services including database and future authentication.
- Implemented React Router v7 for seamless navigation between Store, Home, and Repairs modules.
- Embedded Google GenAI SDK to enable future AI-driven features such as smart product discovery and automated support.

SPEECH-TO-TEXT & MULTILINGUAL TRANSLATION SYSTEM

Streamlit | AI Speech Models | Translation Pipelines

- Developed a system that converts spoken audio into text and translates it into South Indian languages for multilingual accessibility.
- Built a speech ingestion, transcription, and translation pipeline optimized for regional language support.
- Designed to improve communication and accessibility for users who are not fluent in English.

EDUCATION

B.Tech in Computer Science Engineering
G. Pullaiah College of Engineering and Technology, Kurnool
2024 – 2028

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 – Generative AI Professional
- Google Cloud Career Launchpad – Generative AI Leader Track
- Nvidia - Fundamentals of Deep Learning
- Forage Job simulation - GenAI Powered Data Analytics Job Simulation (TATA)
- Forage Job simulation - Technology Job Simulation(Deloitte)
- Microsoft (coursera) - Build a computer vision app with Azure Cognitive Services