

J Harsha Vardhan

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Profile Summary

Aspiring AI, Mechatronics, and Web3 enthusiast with strong interest in intelligent systems, automation, robotics, and decentralized architectures. Hands-on exposure to machine learning, embedded development and IoT automation. Motivated to build innovative solutions integrating AI, IoT, blockchain, and smart robotics.

Work Experience

Freelance Projects

2023 — Present

Worked with startups and clients to design and develop websites, AI prototypes, and automation tools tailored to business requirements.

Projects

AI-Driven Medical Assistant App (2024 — Present) ([GitHub](#))

Healthcare assistant enabling speech-based symptom input, ML disease prediction, medication reminders, emergency alerts, and wound detection using image analysis.

Tech Stack: Ionic Capacitor, Firebase, Flask, Python, Speech Recognition

AI-Powered Trip Planner ([GitHub](#))

Travel planner that recommends destinations and auto-generates itineraries using location search, live weather data, and travel-time evaluation through external APIs.

Tech Stack: React, Tailwind CSS, OpenWeather API, OpenAPI, RapidAPI

Sreeshivani Foods Website (2025) ([GitHub](#)) ([Live](#))

Full-stack responsive website with Supabase authentication and Razorpay payments, optimized for SEO, performance, and security.

Tech Stack: React (Vite), Node.js/Express, Supabase

Education

2022 — 2026 Bachelor of Engineering in Artificial Intelligence, Don Bosco Institute of Technology (DBIT)

2007 — 2022 Primary and Secondary Education, Venkat International Public School

Skills

Programming C++, JavaScript, Python, Solidity, Rust (Basic)

Frameworks React, Tailwind, Next.js

Machine Learning Training Pipelines, Prediction Systems

Embedded Systems Arduino, Raspberry Pi (Basic)

3D Modeling Blender (Prototyping)