

# J Harsha Vardhan

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## PROFILE SUMMARY

Aspiring AI, Mechatronics, and Web3 Enthusiast with a strong passion for AI-driven hardware, robotics, blockchain, and intelligent systems. Building a solid foundation in machine learning, embedded systems, automation, and decentralized technologies, with a keen interest in integrating AI, IoT, and blockchain to create secure, intelligent, and future-ready solutions. Enthusiastic about robotics, smart devices, and decentralized applications (dApps), and eager to explore innovations at the intersection of AI, mechatronics, and Web3 ecosystems. A fast learner, problem solver, and tech enthusiast, driven by curiosity and a vision to contribute to futuristic, AI-powered, and decentralized technologies.

## WORK EXPERIENCE

### Freelance Projects

2023 - Present

Worked with startups and clients to design and develop web solutions, AI prototypes, and automation tools tailored to their business needs.

## PROJECTS

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

Developed an AI-powered healthcare assistant app that predicts diseases based on user symptoms using speech recognition and ML models. Integrated medication reminders, emergency call features, and image analysis for wound detection.

**Tech Stack:** Ionic Capacitor, Firebase, Flask, Python, Speech Recognition, Image Analysis.

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

Created an AI-driven trip planner that suggests destinations, generates itineraries, and integrates weather/location APIs to optimize travel planning.

**Tech Stack:** React, Tailwind CSS, API Integration.

### Blockchain Wallet Prototype (Ongoing)

Developing a decentralized blockchain wallet application to enable secure transactions and identity management.

### Photography Business Website (Freelance) (2023) ([GitHub Link](#))

Designed and developed a professional website for a photography business to showcase portfolios and services.

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

Designed and developed a fully responsive, SEO-optimized website for *Sreeshivani Foods* to showcase wellness products such as the Devanagari Health Mix. Implemented a unified full-stack architecture using React (Vite) and Node.js/Express, integrated secure payment processing with Razorpay, and managed data storage with Supabase. Deployed the application to production with HTTPS security, optimized performance, and a seamless cross-device user experience.

**Tech Stack:** React (Vite), Node.js/Express, Supabase for DB and Authentications,

## EDUCATION

2022 – 2026 Bachelor of Engineering in Artificial Intelligence, **Don Bosco Institute of Technology (D.B.I.T)**

2007 – 2022 Schooling, **Venkat International Public School**

## SKILLS

Programming Languages	C++, JavaScript, Python, Solidity, Rust (Basic)
Frameworks	React, tailwind
Machine Learning	Basics of ML, Model Training, Prediction Systems
Embedded Systems	Arduino, Raspberry Pi (Basic)
3D Modeling & Design	Blender (Prototyping, Learning)