

SHARAN RAJ R

Chennai, Tamil Nadu, India | +91 7550193574 | sharanrajr.dev@gmail.com

LinkedIn: [linkedin.com/in/sharanraj07](https://www.linkedin.com/in/sharanraj07) | GitHub: github.com/Sharanzwing | Portfolio: sharan-portfolio-henna.vercel.app

PROFESSIONAL SUMMARY

Results-oriented Full Stack Developer with production experience architecting, building, and deploying scalable web applications at Ferrando Global Solutions. Proficient across the modern JavaScript and Python ecosystems (React.js, Next.js, Node.js, Express.js, Flask, REST APIs) with strong database competencies in PostgreSQL, MySQL, and MongoDB. Demonstrated expertise spanning responsive UI engineering with 60 FPS animations, Core Web Vitals optimization, secure RESTful backend design, Schema.org SEO, and automated CI/CD deployments on Vercel. Proven track record turning UI wireframes into production-ready platforms.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), Python, Java, SQL, HTML5, CSS3

Frontend Development: React.js, Next.js, Bootstrap, Tailwind CSS, DOM Manipulation, Three.js (WebGL basics), Responsive UI/UX

Backend & APIs: Node.js, Express.js, RESTful APIs, Flask, Rest API, EJS

Databases: PostgreSQL, MySQL, MongoDB, Firebase

Tools, Platforms & Cloud: Git, GitHub, Vercel, VS Code, Postman, Figma, IntelliJ IDEA, PyCharm, ngrok

Core Concepts & AI: Full-Stack Architecture, Web Performance & Core Web Vitals, SEO (JSON-LD Structured Data), OpenCV, TensorFlow

WORK EXPERIENCE

Full Stack Developer Intern | [Ferrando Global Solutions](#) — Chennai, India

June 2026 – Present

- Commercial Platform Delivery:** Spearheaded full-stack development and deployment of commercial web platforms, translating Figma prototypes into responsive, performant applications deployed continuously on Vercel.
- Zalopus Food Delivery Platform ([zalopus.com](#)):** Architected a transparent food delivery web platform in Chennai with zero hidden fees; built an animated SVG delivery bike loader, Lenis smooth scrolling, Bento grid layouts, partner marquee ticker, and mobile-first responsive interfaces.
- SEO & Analytics Architecture:** Implemented Schema.org JSON-LD structured data, Open Graph meta tags, and Google Analytics (GA4) across Zalopus, driving local search indexation and enabling real-time user acquisition funnel tracking.
- Ferrando Global Solutions Corporate Platform ([fgs-v2-liard.vercel.app](#)):** Engineered an interactive agency showcase featuring custom design tokens, 3D card carousel with perspective depth, card tilt/shine CSS shaders, video preloading, and dynamic CMS bridge integration, sustaining smooth 60 FPS animations.
- Performance Optimization:** Optimized image assets, JavaScript bundle loading, and CI/CD pipelines on Vercel, reducing First Contentful Paint (FCP) and maintaining seamless cross-browser responsiveness across all devices.

Embedded Systems Intern | [Edufyi Tech Solutions](#) — Bangalore, India (Remote)

March 2026 – June 2026

- Firmware & IoT Telemetry:** Built and debugged C/C++ firmware for microcontroller-based IoT platforms (Arduino, STM32), implementing real-time sensor data acquisition over I2C and SPI protocols.
- Hardware-to-Cloud Integration:** Connected edge sensor telemetry with cloud endpoints and web dashboards to enable remote real-time monitoring across the end-to-end device-to-dashboard pipeline.
- Reliability Optimization:** Collaborated with engineering teams to define REST API data contracts; optimized power management states and interrupt routines, improving hardware logging reliability and uptime.

PROJECTS

Dr. Agro — AI Drone Crop Health Monitoring System | [Python, Flask, React, YOLOv8, OpenCV, ngrok](#)

Academic / Independent

- Full-Stack Web Architecture:** Architected an end-to-end web application with Flask/FastAPI REST backends and a React.js dashboard for real-time crop disease diagnosis, telemetry visualization, and field reporting.
- Computer Vision & Streaming:** Engineered real-time H.264 UDP video stream decoding from drone camera telemetry, feeding a custom CNN (YOLOv8) model classifying 20+ plant diseases with 98% detection accuracy.
- Distributed Edge Tunneling:** Connected edge drone processing, backend APIs, and React dashboard across networks via secure ngrok tunneling for live remote field inspection.

Professional Image Cartoonifier — Computer Vision Application | [Python, OpenCV, NumPy](#)

Personal Project

- Stylization Pipelines:** Developed a computer vision application in Python implementing stylized cartoon-effect filters, utilizing bilateral filtering, adaptive edge thresholding, and color-quantization pipelines.

EDUCATION

B.E. in Electronics and Communication Engineering | [Sathyabama Institute of Science and Technology, Chennai](#)

2022 – 2026

Expected Graduation: July 2026 | Focus: Full-Stack Web Development, Embedded Systems & Computer Vision

Higher Secondary Certificate (CBSE Class XII & Class X) | [Velammal Vidhyashram, Surapet, Chennai](#)

2020 – 2022

Class XII: 2022 | Class X: 2020