

OMKAR HUNDRE

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EDUCATION

Jain College Of Engineering, Belagavi (Pursuing)

Computer Science And Engineering

Belagavi, Karnataka

Aug. 2023 – Till Date

Kendriya Vidyalaya Karriappa Road, Ahmednagar

Matric and 12th

Ahmednagar, Maharashtra

2020 – 2022

EXPERIENCE

Founder & Full Stack Engineer

Sept 2024 – Present

Autonomys Agency • Remote

- Co-founded a digital agency delivering modern web solutions and SEO optimization.
- Acquired **4 clients**, generating **35K+ revenue** and delivering all projects on time using **React/Next.js** and **Node.js**.
- Boosted client **SEO rankings by 30%** on average within the first month.
- Built a reusable UI component library, reducing development time by **50%**.
- Developed an **AI-powered quotation tool** for hydraulic industries, cutting estimation time from days to minutes.

Software Developer (Freelance + Startup Projects)

Jan 2023 – Aug 2024

Remote / Self-driven

- Built and deployed software solutions for industrial, healthcare, and education clients.
- Developed **Zorabase** — a Firebase-like real-time server handling **1500+ users** with custom authentication.
- Created **COSEM** — an AI-driven quotation system for hydraulic industries.
- Designed and maintained dashboards, user portals, and JSON-based backend logic.

Finalist (4th Place) — InnovateX, IIT Bombay E-Summit

Mar 2024

IIT Bombay & Somany Impresa Group

- Ranked **4th nationally among 2250+ teams** for a tech-driven logistics and supply chain solution.

PROJECTS

Zorabase | *Python, Redis, Multi-threading, JSON, WebSockets, Firebase Auth*

- Built a full-fledged Firebase alternative with real-time database, rules engine, and user authentication.
- Server supports up to 2000 concurrent users using multi-threading on dedicated hardware.
- Includes a full admin dashboard for monitoring users, data, and system metrics.

COSEM | *Electron.js, Node.js, AI Integration, JSON DB, Custom Auth System*

- Designed a cost estimation tool for hydraulic industries, reducing estimation time from 5–7 days to under 5 minutes.
- Used nested JSON data models and custom logic to handle complex quotation generation.
- Currently deployed in 3 industrial setups with secure login, AI predictions, and dynamic forms.

AI-Powered Patient Monitoring System | *Python, ML, OpenCV, Speech Synthesis, Sensor Integration*

- Developed a system to monitor patient vitals, movement, and behavior using live camera and sensor data.
- Implemented ML models to train on patient habits and provide real-time spoken feedback and alerts.
- Triggered emergency responses and notifications to caregivers on detecting risky behavior.

Jain Bus Tracking System | *Firebase, HTML/CSS/JS, Geolocation APIs, Admin Panel*

- Built a multi-role bus tracking platform for college use—students, drivers, and admins.
- Admin panel supports real-time route edits, driver assignments, and bus occupancy updates.
- Live tracking and ETA visible to students; adopted by the college-wide transport system.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL, JSON

Backend: Firebase, Node.js, REST APIs, Redis, Multithreading

Frontend: Tailwind CSS, Bootstrap, GSAP, Vanilla JS, Responsive UI Design

AI/ML: OpenCV, Scikit-learn, MediaPipe, Custom ML Model Integration

Tools & Platforms: Electron.js, Git, GitHub, Figma, Vercel, Netlify, Replit, Hosting & Domain Management