KIRUBAKARAN S

Full Stack Developer with **2+ years** of experience delivering real-time, scalable web applications. Strong in Vue/Nuxt, React/Nest, Node.js, Python pipelines, WebSocket, and DevOps. Proven ability to l**ead projects end-to-end** and optimize performance in production systems.

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EXPERIENCE

Full Stack Developer | Finstein   *July 2023 – Present*

➢ Built and maintained **real-time web applications** using React, Vue, Nuxt 3, NestJS, FastAPI, and PostgreSQL and MySQL.
➢ Led multiple projects as **Technical Lead**, owning architecture, development, and delivery.
➢ Developed **GPU-accelerated Python pipelines** using TensorRT, PaddleOCR, multiprocessing, and Docker (RTX 4090).
➢ Deployed and managed production systems using **Docker, Nginx, EC2, PM2, and SSL**.
➢ Improved system stability through **automation testing and performance tuning**.

CORE SKILLS

Languages	JavaScript, TypeScript, Python, C
Frontend	React, Vite, Next.js, Vue 2/3, Nuxt 3, Angular, Tailwind, AntD, PrimeNG, Naive UI, Shadcn UI
Backend	Node.js, NestJS, FastAPI, Express, REST APIs, WebSockets, Redis, RabbitMQ, Pipeline
Databases	PostgreSQL, MySQL
DevOps & Cloud	Docker, Nginx, PM2, AWS EC2, CloudFront, SSL, S3, MinIO
Testing	Cypress (E2E), Selenium, Unit Testing
Tools	GitHub, GitLab, VS Code, Jupyter, Linux, Antigravity, Power BI

EDUCATION

B.E – Electronics and Communication Engineering
Government College of Engineering, Erode | 2019 – 2023
CGPA: **7.98**

HSC: **72.3%**   SSLC: **86.5%**

ACADEMIC PROJECTS

➢ Leaf Disease Detection (Machine Learning)
➢ Aircraft Engine Failure Detection (IBM Project)
➢ Driver Drowsiness Detection

SOFT SKILLS

• Problem Solving • Logical Thinking • Communication
•Time Management • Leadership

KEY PROJECTS

Medical Web Application   *Nuxt 3(Vue), FastAPI, keycloak, PostgreSQL*
Implemented real-time acquisition, preview, and validation workflows.

Enterprise Asset Management System   *Angular, Prisma, RabbitMQ, MySQL*
Designed scalable backend services with async message processing.

Multi-Tenant Web Application (Tech Lead)   *React js, Vite, NestJS, Redis, Socket.IO*
Built real-time collaboration features and led full-stack development.

AI Python Pipeline (Tech Lead)   *Python, TensorRT, PaddleOCR, Docker*
Designed high-throughput, GPU-based inference pipelines for SaaS use cases.