Dinesh M

Full Stack Developer (MERN)

(+91) 9843240703 | 2002dineshmurugan@gmail.com | Chennai, India

Portfolio | GitHub | LinkedIn

Professional Summary

Results-driven **Full Stack Developer** with experience building scalable, real-time web applications. Proficient in **React.js, Node.js, and MySQL**, with specialized expertise in **AI integration** using local LLMs (Llama). Experienced in building complex **CMS architectures** and Client Dashboards that empower non-technical users. Passionate about merging high-performance code with creative 3D animations using Three.js and GSAP.

Technical Skills

Frontend: React.js, Next.js, Redux Toolkit, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, WebSockets (Socket.IO)
Database: MongoDB, MySQL, Firebase, Mongoose
DevOps: Docker, Kubernetes, CI/CD Pipelines, Git, GitHub, Vercel, Render
AI & Methodologies: Local LLMs (Llama), RAG, VectorDB, Agile, Scrum
UI/UX: GSAP, Framer Motion, Three.js, Spline, Responsive Design

Work Experience

MERN Stack Developer — Mar 2025 – Present
B&Y Technologies — *Chennai, India*

- Designed and developed a **full-scale CRM platform from scratch** using the MERN stack, supporting **100+ active client records**.
- Architected secure authentication using **JWT and Role-Based Access Control (RBAC)**.
- Implemented **GSM modem-based calling**, reducing VoIP operational costs by approximately **40%**.
- Built real-time features including **live chat, attendance tracking, and field-agent location monitoring** using Socket.IO.
- Led deployment, testing, and monitoring across Vercel and Render, achieving **99.9% production uptime**.

Web Development Intern — Nov 2024 – Jan 2025
Magic Bus India Foundation — *Chennai, India*

- Improved UI responsiveness and performance across internal web applications using React.js.
- Enhanced dashboard usability for mobile and low-bandwidth environments.
- Collaborated in Agile sprints to deliver production-ready features under tight deadlines.

Key Projects

AutoCMS – AI-Powered Content Management System — Live Link (In Dev)

- Built an AI-driven CMS that converts static websites into editable admin dashboards without developer intervention.
- Integrated **Llama LLM with RAG pipelines** to analyze HTML structure and identify editable content nodes.
- Designed a MySQL-backed dynamic content model enabling **instant, code-free content updates**.

Training Sideways – Admin Portal (Client Project) — 2025

- Delivered a custom-built admin dashboard enabling non-technical users to manage training content.
- Implemented secure authentication, media uploads, and modular content controls.

CRM System — Live Link

- Developed a feature-rich CRM with lead tracking, task workflows, and real-time collaboration.
- Implemented live chat and agent location tracking using Socket.IO. Visualized sales analytics using interactive **D3.js dashboards**.

E-Commerce Platform – AllinoneGenie — Live Link

- Built a scalable e-commerce platform with real-time inventory management and admin controls.
- Integrated secure authentication and end-to-end checkout workflows.

Certifications

Docker Deep Dive: Build, Ship, and Run Containers — Udemy
React.js AI Chatbot: Built with ChatGPT, Gemini and DeepSeek — Udemy
Node.js Crash Course: Build a REST API in a Weekend — Udemy
JavaScript Fundamentals: A Course for Absolute Beginners — Udemy

Education

Bachelor of Mechanical Engineering — 2020 – 2024
University College of Engineering, Arani (Anna University) — CGPA: 7.9 / First Class