

Prathmesh Moralwar

Portfolio — prathmeshmoralwar@gmail.com — LinkedIn — Github —

PROFESSIONAL SUMMARY

Full-stack developer with hands-on experience building end-to-end web applications — from **React** frontends to containerized **Node.js** backends. Experienced with **PostgreSQL**, **MongoDB**, **Docker**, and **AWS**, with a growing focus on **AI-integrated systems**, RAG pipelines, and LLM tooling. Passionate about system design, code quality, and building scalable, production-ready software.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript HTML, CSS, C++, SQL

Frontend: React.js, Tailwind CSS

Backend: Node.js, Express.js Sequelize ORM, Prisma ORM, REST APIs, GraphQL, RabbitMQ

Databases: PostgreSQL, MySQL, MongoDB, Firebase, ElasticSearch

DevOps & Cloud: Docker, GHCR, AWS, Azure, Git, GitHub, Github Actions, CI/CD, SDLC

Tools: Postman, Kibana, Packet Tracer, NS3

WORK EXPERIENCE

Web Developer Intern

Feb 2025 – Dec-2025

Careasa HealthCare Pvt. Ltd.

Pune, Maharashtra

- Engineered modular CRM features in React, reducing rendering overhead by 15% through component-driven architecture and enhanced UI reusability across workflows.
- Designed and implemented RESTful APIs in Node.js/Express, improving API response time by 20% via layered middleware for authentication and error handling.
- Optimized PostgreSQL data retrieval by 25% through strategic indexing and Sequelize ORM for high-read operations on complex relational models.

PROJECTS

Therasim- Medical Training Platform (Internship) — *React, Express, PostgreSQL, Node.js, Docker, Azure*

- Architected a multi-tenant SaaS platform with strict data isolation, implementing Role-Based Access Control (RBAC), JWT session management, and Google OAuth2.0 to support multiple institution-level configurations from a single deployment.
- Engineered a fully containerized backend with Docker, Node.js, Express, and PostgreSQL via Sequelize, achieving exact environment parity and cutting deployment time by 60%.
- Integrated real-time AI chat, 3D model rendering via React Three Fiber (R3F), and file upload/download pipelines within a multi-role dashboard system serving students, instructors, and administrators concurrently.

Clinical Decision Support System — *AI, RAG, LLMs, Web Development* — *GitHub*

- Developed a web-based Clinical Decision Support (CDS) platform with dynamic medical case input forms, state management, and structured data flow integration between the frontend and AI inference system.
- Built a Retrieval-Augmented Generation (RAG) pipeline using Large Language Models (LLMs) to retrieve relevant clinical knowledge and generate explainable differential diagnosis recommendations based on medical context.
- Implemented prompt engineering, response schema validation, and uncertainty-aware output formatting to generate safe, structured, and interpretable AI responses for clinical decision support applications.

T&C Analyzer – Terms and Condition Reader — *HTML, CSS, JS, Chrome APIs, REST, Blob* — *GitHub*

- Engineered a full-stack Chrome extension integrating REST APIs (Perplexity/Gemini) for AI-powered legal document analysis, with real-time state management, a modern gradient UI, and multi-format export capabilities.
- Built a resilient JSON parsing system with five cascading fallback strategies — including regex extraction and strict schema validation — ensuring consistent, reliable output across varying API response structures.
- Designed a cost-optimized dual-model architecture with smart rate limiting, graceful error recovery, and a free-tier fallback, sustaining high-volume daily usage with minimal operational overhead.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Cloud Practitioner Essentials** – *AWS* *Jan 2026*
- Postman API Fundamentals** – *Postman* *Dec 2025*
- Networking Basics** – *Cisco Networking Academy* *Sept 2025*
- Solved **100+** problems on LeetCode.

EDUCATION

Vishwakarma Institute of Information Technology

Pune, India

B.Tech in Electronics and Telecommunication Engineering-2027; CGPA: 8.90