

Mayank Ratmele

+91-8827501525 | ratmelem@gmail.com | LinkedIn | GitHub

Professional Summary

Full Stack Software Developer with strong expertise in MERN stack, Data Structures, and scalable system design. Experienced in building production-grade web applications, REST APIs, and real-time systems with focus on performance optimization, security, and maintainable architecture.

Key Skills

Data Structures & Algorithms, Object-Oriented Programming (OOP), AWS, REST API Development, System Design (Basics), Authentication & Authorization, Performance Optimization, Git Version Control

Technical Skills

- **Languages:** C++, Python, HTML, CSS, Javascript, TypeScript PHP, SQL
- **Frameworks & Libraries:** React, Vite, Node.js, Express.js, Tailwind CSS, Material UI
- **Databases/Cloud:** PostgreSQL, MySQL, MongoDB, Redis, AWS
- **Tools:** Git, GitHub, Postman, Insomnia, MongoDB Compass, cPanel, phpMyAdmin
- **Concepts:** OOP, DSA, REST APIs, JWT Authentication, MVC Architecture

Professional Experience

Full Stack Developer Intern

Mar'25 - Sept'25

Infopearl Tech Solutions Pvt. Ltd.

- Led development of a production-grade full stack web application (infopearl.in) using React, Node.js, Express, and PostgreSQL, improving user engagement and SEO performance.
- Designed and implemented scalable backend systems for globaljournal.co.in, including REST APIs, database architecture, and dynamic academic content management features.
- Enhanced application performance and security through optimized routing, accessibility improvements, and SEO best practices.

Web Developer Intern

Nov'24 - Feb'25

LeadSeeder

- Led end-to-end development of the company's production website, designing and implementing scalable front-end and back-end architecture.
- Engineered secure backend modules including authentication workflows, database schema design, and dynamic content management systems.
- Optimized website performance, responsiveness, and cross-browser compatibility, improving page load speed and user experience.

Projects

ChatShpere AI App

2025

- Built a real-time AI chat application using the MERN stack with integrated AI assistant, enabling seamless human-to-human and AI-assisted conversations while improving in-app query resolution.
- Designed and implemented a WebSocket-based messaging system supporting high concurrency, reducing API latency by **70%** and ensuring reliable real-time message delivery.

Blog Platform

2024

- Developed a secure full-stack blogging platform with JWT authentication, dynamic CRUD operations using React and REST APIs, enhancing content management efficiency.
- Optimized backend routing and MongoDB queries to reduce page load time by **60%** and ensure scalability under high traffic.

Education

Madhav Institute of Technology and Science (MITS)

M.P, India

Bachelor of Technology in Information Technology - AI & Robotics

Nov'22 – Jun'26

Certifications

- **Internship Certification** [View](#)
- **Completion Letter** [View](#)
- **Full Stack Development Certification** [View](#)