

Ratnakar Singh Parihar

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Portfolio | LinkedIn | GitHub | LeetCode

Professional Summary

MERN Stack Developer skilled in end-to-end web application development with expertise in React.js, Node.js, Express.js, and MongoDB. Experienced in designing responsive and scalable systems, implementing REST APIs, and integrating authentication and real-time communication. Strong foundation in Data Structures, Algorithms, and Object-Oriented Programming with a passion for crafting efficient, maintainable, and performance-driven solutions.

Education

B.Tech in Computer Science and Engineering IES University, Bhopal, Madhya Pradesh	2022 – 2026
Senior Secondary (PCM) Saraswati Higher Secondary School, Satna (MP Board)	2021 – 2022

Technical Skills

Languages	JavaScript, Java, HTML, CSS
Frameworks / Libraries	React.js, Node.js, Express.js, Tailwind CSS, Socket.IO, React Router
Databases	MongoDB, SQL
Developer Tools	Git, GitHub, VS Code, Postman, Render, Vercel, Cloudinary
Core Concepts	Data Structures & Algorithms, OOP, DBMS, Operating Systems

Project Experience

Vehicle Service Booking Platform | Live Demo | GitHub
Full-Stack Web Application (MERN)

- Engineered a platform enabling users to book vehicle maintenance services, track progress, and manage requests.
- Built a real-time chat interface using Socket.IO to streamline communication between customers and service centers.
- Developed role-based dashboards for admins, service providers, and clients with secure JWT authentication.
- Integrated payment and booking management modules, reducing manual service handling by 40%.
- Optimized backend API performance using indexing and efficient MongoDB queries, achieving 30% faster load times.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Socket.IO, JWT

YammiVerse – Recipe Sharing Platform | Live Demo | GitHub
MERN Stack Social Web Application

- Developed a recipe-sharing platform supporting CRUD operations with personalized dashboards for users.
- Implemented secure user authentication using JWT and role-based session management.
- Enabled image upload and storage with Multer and Cloudinary, improving user engagement.
- Designed responsive UI/UX using React and Tailwind CSS with light/dark theme support.
- Deployed on Render with optimized API structure ensuring 99% uptime and smooth performance.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT, Multer, Cloudinary, Render

Certifications

- Frontend Developer (React) – HackerRank
- Problem Solving (Basic) – HackerRank
- Problem Solving (Intermediate) – HackerRank
- JavaScript (Basic) – HackerRank