



PREM RAWAT

Full Stack Web Developer

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Faridabad, Haryana

Summary

Passionate MERN full-stack developer with hands-on project experience in building scalable web applications, secure REST APIs, and database-driven systems. Familiar with authentication, clean architecture principles, and performance-optimized UI development. Effectively uses AI tools for coding assistance, debugging, and problem-solving to accelerate development and improve code quality.

Education

Chandigarh University, Chandigarh <i>B.E. in Computer Science</i>	07/2023 – 07/2027 <i>CGPA: 7.85 / 10</i>
B.N. Public School, Faridabad <i>Senior Secondary (XII)</i>	04/2022 – 04/2023 <i>Percentage: 90.6%</i>
B.N. Public School, Faridabad <i>Matriculation (X)</i>	04/2020 – 04/2021 <i>Percentage: 71.2%</i>

Skills

Frontend: React.js, HTML, CSS, Tailwind CSS
Database: MongoDB, MySQL
Version Control: Git, GitHub

Backend: Node.js, Express.js
Libraries/Tools: Recoil, Mongoose, JWT
Languages: C/C++, JavaScript, Python

Projects

MokeMoney — MERN Stack, JWT, MongoDB, Mongoose 06/2025 – 08/2025

- Implemented secure JWT authentication using localStorage for persistent user sessions.
- Added client-side caching to reduce redundant API calls by 70%.
- Used Mongoose atomic transactions to ensure 100% data consistency during wallet transfers.
- Integrated server-side pagination (10 users/page), reducing database load by 60%.

Online-Course-Selling-API — Node.js, Express.js, MongoDB 07/2025

- Developed RESTful backend with JWT authentication, protected routes, and RBAC.
- Built admin APIs for course creation, updates, validation, and management.
- Implemented complete user workflows including signup, purchase, and content access.

Huffman & LZW Visualizer — React.js, JavaScript, Tailwind CSS 09/2025

- Built an interactive visualizer for Huffman Coding and LZW Compression.
- Implemented dynamic Huffman tree generation with frequency tables and code mapping.
- Visualized LZW dictionary expansion step-by-step for better algorithm understanding.
- Designed a responsive UI allowing custom input and algorithm comparison.

Certifications

Full Stack Web Development — Udemy & Harkirat Singh Cohort 3 (2024)

Data Structures & Algorithms (DSA) — CodeHelp Supreme 3.0 (2024)