

# Rohit Patil

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## Full Stack Web Developer | MERN Stack | Next.js | Typescript

B.Sc Computer Science student (2026) with hands-on experience building full-stack web applications using the MERN stack. Developed and deployed production-style projects with authentication, real-time features, and REST APIs. Actively strengthening Data Structures & Algorithms skills through consistent problem-solving practice.

### TECHNICAL SKILLS

- **Frontend Development:** React.js, Next.js, Redux, Material UI, Tailwind CSS, HTML, CSS, ShadCN UI.
- **Backend Development:** Node.js, Express.js, MongoDB, JWT, Cloudinary, API design, JSON REST APIs.
- **Programming Languages:** JavaScript, TypeScript, Java (DSA & OOP).
- **Tools:** Git, GitHub, Postman, Vercel, WebSockets (Socket.io), LLMs & GenAI APIs (RAG, LangChain, Gemini)

### PROJECTS

#### Professional Networking Platform - [View Live](#) | [Source Code](#)

- Engineered a custom 45+ page professional networking SaaS application from scratch over 6 months, featuring dedicated user profiles, company pages, and job boards
- Engineered a 17-collection MongoDB schema handling complex relational data for profiles, companies, jobs, and messaging.
- Integrated real-time bidirectional communication for user messaging using Socket.io.
- Developed an SEO-friendly, highly responsive frontend using Next.js, TypeScript, and Tailwind CSS.

#### Multi-document RAG system - [View Live](#) | [Source Code](#)

- Built a multi-document RAG system using LangChain, Pinecone, and Gemini for AI-powered Q&A across PDFs.
- Architected 3 decoupled services — Next.js frontend, Express.js backend, and FastAPI AI service.
- Implemented overlap chunking strategy to preserve context before storing Gemini embeddings in Pinecone.
- Secured application with JWT authentication, bcrypt.js hashing, and persistent MongoDB chat history.

#### E-Commerce full stack website - [View Live](#) | [Source Code](#)

- Integrated separate dashboards for sellers and admin.
- Enabled the seller to manage product listings, pricing and advertisements.
- Developed mobile-first design to enhance shopping experience across devices.
- Admin can manage website content, user activity, and has full platform control.

### ACHIEVEMENTS

- Solved 250+ DSA problems on LeetCode.
- Earned 50-day consistency badge in 2026.

### EDUCATION

- **B.Sc (Computer Science)** - Shri Shivaji Mahavidyalaya, Barshi  
Punyashlok Ahilyabai Holkar University, Solapur  
Jun 2023 - April 2026                      CGPA: 9.29