

Saksham Tomar

Full-Stack Developer

[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

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Summary

Full-Stack Developer proficient in React, Node.js, TypeScript, MongoDB, and PostgreSQL. Experienced in building scalable, secure web applications with JWT authentication, WebSockets, and Firebase. Focused on clean code, performance, and responsive UI design. Keen to explore and learn new technologies including Cloud Computing, Next.js, and DevOps.

Education

B.Tech in Computer Science & Engineering

- Medi-Caps University, Indore (Aug 2022 - Expected June 2026)

Key Achievements

- WebSocket Optimization: Reduced message latency by 40% in a real-time chat application.
- Database Query Optimization: Improved response time by 35% through query indexing.
- Donor Matching Implementation: Developed a real-time donor-recipient system, increasing efficiency by 20%.
- Firebase Integration Success: Implemented Firebase Cloud Messaging, improving response times by 30%.

Technical Skills

- Frontend:** HTML, CSS, JavaScript, TypeScript, React.js, Redux Toolkit, Recoil, Tailwind CSS, Vite, React Router.
- Backend:** Node.js, Express.js, WebSockets, RESTful APIs, JWT Authentication, Zod Validation.
- Databases & Cloud:** MongoDB, PostgreSQL, Prisma ORM, Firebase (Firestore & Cloud Messaging), MySQL
- Tools & DevOps:** Git, GitHub, Postman, VS Code, npm, Yarn, Netlify, Vercel, Render.
- Other Skills:** Data Structures and Algorithms, Responsive Design, API Integration, Real-Time Communication, Authentication & Authorization.

Projects

● Chat App – [GitHub](#) | Live

Tech Stack: React, Node.js, Express.js, WebSocket, MongoDB, JWT, Tailwind CSS
Developed a real-time messaging platform using WebSockets and JWT-based authentication. Optimized socket handling, reducing message latency by **40%**.

● Quiz Management System – [GitHub](#) | Live

Tech Stack: React, Node.js, Express.js, MongoDB, JWT, Redux Toolkit, Tailwind CSS
Created a full-stack quiz application with user authentication, quiz creation, and sharing functionality. Improved database performance by **35%** through efficient indexing and query optimization.

● Blood Donor Finder – [GitHub](#) | Live

Tech Stack: React, Node.js, Express.js, PostgreSQL, Prisma, JWT, Firebase, Tailwind CSS
Built a platform to connect donors and recipients with search by blood group and location. Integrated **Firebase Cloud Messaging** to boost donor response rate by **30%**.

● Web-Based Task Manager – [GitHub](#) | Live

Tech Stack: React.js, Node.js, Express.js, MongoDB, Context API, JWT, Firebase Cloud Messaging, Tailwind CSS
Designed a collaborative task management system with real-time notifications and team support. Enabled task due-date alerts and role-based permissions for efficient team collaboration.