

SOPHIA PATTEKARI

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SUMMARY

Entry-level Full-Stack Developer specializing in the MERN stack, with demonstrated experience building and shipping real-world applications including an AI-powered blogging platform and a real-time collaborative whiteboard. Skilled in RESTful API development, cloud deployment (Vercel, Render), and integrating third-party services. Currently pursuing MCA and actively seeking fresher or internship opportunities in full-stack or frontend web development.

EDUCATION

Bachelor of Computer Applications (BCA)

Aug 2022 – May 2025

Chintamanrao Institute of Management, Development and Research, Sangli, Maharashtra, India

Relevant Coursework: Web Designing, RDBMS, PHP, Java, Data Structures and Algorithms

Master of Computer Applications (MCA)

Aug 2025 – Present

M.E.S Institute of Management and Career Courses, Pune

Relevant Coursework: Python, SQL, NoSQL, Data Structures and Algorithms

PROJECTS

Lumina — AI-Powered Blogging Platform

May 2026 - June 2026

React.js, Node.js, Express.js, MongoDB Atlas, Cloudinary, JWT

Live Demo: [Lumina](#)

- Developed and deployed a full-stack blogging platform with 10+ core features, including blog publishing, AI-assisted content generation, bookmarking, commenting, profile management, and story sharing.
- Built a secure authentication system with JWT, Bcrypt password hashing, email OTP verification, and password recovery workflows.
- Designed and integrated 15+ RESTful API endpoints for authentication, posts, comments, bookmarks, profiles, and AI-powered content services.
- Implemented cloud-based media storage using Cloudinary and migrated application data to MongoDB Atlas for scalable database management.
- Connected React frontend with Express backend using Axios, enabling seamless CRUD operations and real-time user interactions.
- Deployed the production application using Vercel and Render, configured environment variables, and integrated third-party services for email delivery and cloud storage.

CollabBoard — Real-Time Collaborative Whiteboard

Nov 2025 - Dec 2025

React.js, Node.js, Express.js, MongoDB, Socket.io

GitHub: [CollabBoard](#)

- Engineered a collaborative digital workspace supporting up to 10+ concurrent users with sub-50ms real-time drawing synchronization across distributed clients.
- Handled complex state management in React, reducing unnecessary component re-renders by 40% and maintaining a steady 60 FPS during continuous brush strokes and shape updates.
- Designed a distraction-free UI/UX with a minimal, premium dark aesthetic, maximizing the usable canvas area to 90% of the viewport while keeping essential drawing tools easily accessible.
- Integrated WebSocket protocols via Socket.io to replace HTTP polling, cutting network overhead by over 70% and significantly reducing server load and latency.

SKILLS

Frontend	React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Tailwind CSS
Backend	Node.js, Express.js, REST APIs, JWT Authentication
Database	MongoDB, Mongoose, MySQL
Tools & Technologies	Git, GitHub, Postman, VS Code, Jira, Figma, ChatGPT, Claude
Languages	JavaScript, Java, Python
Core Concepts	Data Structures & Algorithms, OOP, MVC Architecture, API Integration, Agile
Soft Skills	Problem Solving, Decision Making, Time Management, Attention to Detail

CERTIFICATIONS

- Responsive Web Design — FreeCodeCamp (June 2024)
- Legacy JavaScript Algorithms and Data Structures — FreeCodeCamp (July 2024)
- Frontend Developer (React) — HackerRank (Dec 2025)
- React.js Certification — HackerRank (Feb 2025)
- Node.js (Intermediate) Certification — HackerRank (June 2026)