Sourav Paitandy

Full Stack Developer | MERN Stack Specialist

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PROFESSIONAL SUMMARY

MERN stack developer with 2+ years of hands-on experience building real-time, scalable web apps. Architect of production-grade tools like DrawSync (Canvas-based collaboration) and CollabHub (live task sync with <200ms latency). Adept in transforming complex UI/UX logic into responsive, cross-device solutions. Passionate about performance, clean design, and building performant systems that scale across devices and users.

EDUCATION

NSHM Knowledge Campus, Durgapur (MAKAUT Affiliated)   **Durgapur, West Bengal**
Bachelor of Technology (B.Tech) in Computer Science & Engineering   *Expected Graduation, July 2026*
Core coursework: Data Structures, Software Engineering, Operating Systems, Computer Networks

SKILLS

Languages: JavaScript (ES6+), Java, Python, C, SQL, Basic TypeScript
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Redux
Backend: Node.js, Express.js, MongoDB, RESTful APIs, WebSocket, WebRTC
Tools: Git, GitHub, Postman, VS Code, Agile, Vercel, Liveblocks
Others: Framer Motion, Responsive Design, Jest (basic)

TECHNICAL PROJECTS

CollabHub – Real-Time Collaboration Platform   **Live Code**   **Jan 2025 - Present**
Tech Stack: Next.js, React, Node.js, Express.js, MongoDB, WebSocket, Tailwind CSS

Built a developer-focused team collaboration platform using WebSocket & MERN.

- Rebuilt entire stack post-data loss; improved backend response time by 35%
- Developed real-time task board with drag-drop, priority sorting, and GitHub integration
- Achieved <200ms real-time sync latency with fully responsive mobile design.

VoxAI Assistant - Voice-Activated Web Application   **Live Code**   **Sep 2024 - Sep 2024**
Tech Stack: React.js, Tailwind CSS, Google Gemini API, Web Speech API, HTML5 Canvas, Vite
Voice assistant web app powered by Gemini API & Web Speech.

- Integrated voice-to-text and TTS with Google Gemini NLP
- Built typing animation, voice selector, and multilingual support
- Boosted user engagement through interactive UI and voice-first features.

DrawSync - Real-Time Collaborative Drawing Tool   **Live Code**   **June 2025**
Tech Stack: Next.js, React, Tailwind CSS, HTML Canvas, Liveblocks, WebSocket
Canvas-based app enabling multi-user sketching, object manipulation, and exports.

- Engineered infinite canvas with pan/zoom using native HTML5 Canvas API
- Added object selection, eraser, undo/redo, and real-time sync with WebSocket
- Implemented optimized rendering loop in React for high-FPS drawing experience.

CERTIFICATIONS & ACHIEVEMENTS

- **Software Engineering Job Simulations Virtual Experience**, J.P. Morgan (Forage) • Certificate
- **5★ Java**, HackerRank (Profile)
- **100+** GitHub commits in 2024-2025 • **20+** public repos

Available for internships and freelance roles. Updated: June 2025