

SOURAV PAITANDY

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PROFESSIONAL SUMMARY

Full-stack MERN developer with 2+ years of experience building scalable, real-time applications. Proven expertise in client collaboration, cloud deployment, and performance optimization using modern JavaScript frameworks, WebSocket, and RESTful APIs.

EDUCATION

NSHM Knowledge Campus, Durgapur <i>Bachelor of Technology in Computer Science & Engineering</i> Core coursework: Data Structures, Software Engineering, Operating Systems, Computer Networks	Durgapur, West Bengal <i>Expected July 2026</i>
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TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, C, SQL
Frontend: React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
Backend: Node.js, Express.js, MongoDB, RESTful APIs, WebSocket, WebRTC, Firebase
Tools & Technologies: Git, GitHub, Postman, VS Code, Vercel, Docker (basic), Agile/Scrum, Jest
Core Competencies: Data Structures & Algorithms, System Design, Web Performance Optimization, SEO

EXPERIENCE

Freelance Full Stack Developer <i>Jagjit Kaur Fashion Brand (jkbyjagjitkaur.com) Remote</i>	June 2025 – Present
<ul style="list-style-type: none">Engineered production-ready e-commerce platform using Next.js, Tailwind CSS, and Firebase, managing complete SDLC from requirements to deployment on Vercel with custom GoDaddy domainArchitected secure admin panel with role-based access control and responsive content management enabling real-time product catalog updatesImplemented advanced features including interactive faceted search, category filtering, image carousel, and WhatsApp Business API integration	

PROJECTS

CollabHub <i>Next.js, React, Node.js, Express.js, MongoDB, WebSocket, Tailwind CSS</i>	Live Code
<ul style="list-style-type: none">Developed real-time team collaboration platform with WebSocket integration enabling instant task synchronization with sub-200ms latencyBuilt drag-and-drop Kanban board with GitHub integration and optimized backend achieving 35% performance improvement	
Hexode <i>React, Node.js, MongoDB, Monaco Editor, Yjs (CRDTs), WebSocket, Google Gemini</i>	Live Code
<ul style="list-style-type: none">Built an AI-native collaborative cloud IDE with real-time multi-user editing using CRDT-based synchronization (Yjs)Integrated context-aware AI assistance directly into the editor for code generation, debugging, and inline explanationsDeveloped a standalone online coding playground supporting Java, Python, C, C++, and JavaScript with zero setupImplemented secure polyglot code execution and role-based collaboration controls	
DrawSync <i>Next.js, React, HTML5 Canvas, Liveblocks, WebSocket, Tailwind CSS</i>	Live Code
<ul style="list-style-type: none">Created collaborative whiteboard with infinite canvas, pan/zoom, and real-time multi-user drawing synchronization using LiveblocksEngineered object transformation pipelines and enhanced export features, boosting average frame rates by 20 FPS across a range of mobile and desktop devices, resulting in smoother user experience.	

CERTIFICATIONS & ACHIEVEMENTS

J.P Morgan Software Engineering Simulation (Forage): Certificate - Completed Agile workflow simulation and built internal debugging tools
Competitive Programming: 5-star Java (HackerRank) 300+ DSA problems solved across LeetCode, HackerRank, CodeStudio
GitHub Insights: 100+ GitHub commits (2025) 20+ public repositories