

SOURAV PAITANDY

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PROFESSIONAL SUMMARY

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

EDUCATION

NSHM Knowledge Campus, Durgapur

Bachelor of Technology in Computer Science & Engineering

Durgapur, West Bengal

July 2026

Core coursework: Data Structures, Software Engineering, Operating Systems, Computer Networks, DBMS

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, FastAPI, 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

June 2025 – December 2025

Jagjit Kaur Fashion Brand (jkbyjagjitkaur.com) | Remote

- 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 domain
- Architected secure admin panel with role-based access control and responsive content management enabling real-time product catalog updates
- Implemented advanced features including interactive faceted search, category filtering, image carousel, and WhatsApp Business API integration

PROJECTS

Coordly | Next.js, React, Node.js, MongoDB, WebSocket, WebRTC, Yjs (CRDTs), Tailwind CSS

Live | Code

- Developed real-time end-to-end team collaboration platform with WebSocket, WebRTC integration enabling Video meeting, Chat system, instant task, document synchronization with sub-200ms latency
- Built drag-and-drop Kanban board with GitHub integration and optimized backend achieving 35% performance improvement

Hexode | React, Node.js, MongoDB, Monaco Editor, Yjs (CRDTs), WebSocket, Google Gemini

Live | Code

- 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 explanations
- Developed a standalone online coding playground supporting Java, Python, C, C++, and JavaScript with zero setup
- Implemented secure polyglot code execution and role-based collaboration controls

DrawSync | Next.js, React, HTML5 Canvas, Liveblocks, WebSocket, Tailwind CSS

Live | Code

- Created collaborative whiteboard with infinite canvas, pan/zoom, and real-time multi-user drawing synchronization using Liveblocks
- Engineered 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