



Sourav Paitandy

Full Stack Developer | MERN Stack Specialist | Passionate About Real-Time Web Apps & Scalable Solutions

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PROFESSIONAL SUMMARY

Results-driven Computer Science Engineering student with expertise in full-stack web development using the MERN stack. Skilled in building scalable applications, integrating RESTful APIs, and deploying cloud-based solutions. Strong foundation in real-time communication using WebSocket and WebRTC. Seeking to apply technical skills in innovative projects and collaborative teams.

EDUCATION

NSHM Knowledge Campus, Durgapur (MAKAUT Affiliated)

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Durgapur, West Bengal

Expected Graduation, July 2026

SKILLS

Languages: Java, Python, C, JavaScript (ES6+), SQL

Frontend & Backend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Node.js, Express.js, MongoDB, RESTful APIs

Tools: Git, GitHub, VS Code, Redux, Framer Motion

Others: WebSocket, WebRTC, Agile Methodology, Responsive Design

TECHNICAL PROJECTS

CollabHub – Real-Time Collaboration Platform

[Live](#) [Code](#)

Jan 2025 - Present

Tools: Next.js, React, Node.js, Express.js, MongoDB, WebSocket, Tailwind CSS

A real-time collaboration platform built for developers, hackathon teams, and professionals to manage projects, create tasks, and collaborate seamlessly with modern UI and real-time sync features.

Responsibilities:

- Rebuilt the project from scratch after data loss, demonstrating persistence and dedication.
- Designed a responsive dashboard showing real-time stats for tasks and projects.
- Built a dynamic task-board with priority, due dates, sorting, and assignment functionalities.
- Integrated GitHub repo loader and improved the collaboration section for team management.
- Implemented WebSocket for planned real-time updates and future scalability.
- Ensured mobile responsiveness and accessible UI using Tailwind CSS and Framer Motion

VoxAI Assistant - Voice-Activated Web Application

[Live](#) [Code](#)

Sep 2024 - Sep 2024

Tools: React.js, Tailwind CSS, Google Gemini API, Web Speech API, HTML5 Canvas, Vite

A state-of-the-art voice-activated AI assistant web application leveraging speech recognition, text-to-speech synthesis, and Google's Gemini API for natural language processing.

Responsibilities:

- Implemented voice recognition and text-to-speech functionality using the Web Speech API, enabling seamless voice-controlled interaction.
- Integrated Google's Gemini API for intelligent response generation, demonstrating proficiency in working with advanced AI models.
- Designed a responsive and modern UI using React.js and Tailwind CSS, featuring a glassmorphism effect for a sleek appearance.
- Developed custom features including voice selection, conversation history, and a word-by-word typing effect for AI responses.
- Ensured full functionality on mobile devices, improving accessibility and user reach.

CERTIFICATIONS & ACHIEVEMENTS

- Earned a certification in [Software Engineering Job Simulations](#) from **J.P. Morgan** in association with Forage, demonstrating proficiency in software engineering techniques and project management using GitHub.
- 5 Star in programming with Java ([HackerRank](#))