

Sourav Paitandy

Full Stack Developer | MERN Stack Specialist

[Gmail](#) | [Portfolio Website](#) | [LinkedIn](#) | [GitHub](#) | Durgapur, India

PROFESSIONAL SUMMARY

Results-driven Computer Science Engineering student specializing in full-stack development with MERN (MongoDB, Express.js, React, Node.js) stack. Proficient in building scalable web applications, RESTful API design, and cloud deployment (AWS). Skilled in version control (Git) and emerging technologies like WebRTC and WebSocket. Seeking opportunities to apply technical expertise in innovative projects.

EDUCATION

NSHM Knowledge Campus, Durgapur (affiliated with MAKAUT)

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

Durgapur, West Bengal

Expected Graduation, July 2026

SKILLS

Programming: Java, Python, C, React.js, Next.js, HTML5, CSS3, JavaScript (ES6+), Node.js, Express.js, MongoDB, SQL

Tools: Redux, Git, GitHub, VS Code, Bootstrap, Tailwind CSS, Framer Motion

Other: WebRTC, WebSocket, RESTful APIs, Responsive Design, Agile methodologies

PROJECTS

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.
- Created a dynamic visualization of a neural network using HTML5 Canvas, enhancing the user interface with interactive animations.
- 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.

DevShowcase (Personal Portfolio) [Live](#) [Code](#)

May 2024 – Current

Tools: Next.js, React, Tailwind CSS, Framer Motion

A dynamic and interactive personal portfolio website showcasing projects, skills, and professional experiences.

Responsibilities:

- Designed and developed a responsive portfolio using Next.js and React, ensuring optimal performance and SEO.
- Implemented a sleek and modern UI using Tailwind CSS, creating a visually appealing and professional layout.
- Integrated Framer Motion for smooth animations and transitions, enhancing user experience and engagement.
- Developed a custom project showcase section with filtering and sorting capabilities for easy navigation.

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](#))