

# SRINJOY MAHANTI

Kolkata, West Bengal

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## Summary

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Execution-driven IT student with strong hands-on experience in building full-stack and AI-powered web applications. Proficient in JavaScript, React, Java, C, and Python, with solid foundations in DSA, Operating Systems, and core system fundamentals. Known for clear communication, collaborative teamwork, and problem ownership, with a proactive mindset toward learning and improvement. Experienced in debugging complex issues, performance optimization, time management, and delivering end-to-end products under real-world constraints. Seeking opportunities to contribute to fast-moving engineering teams through adaptability, technical excellence, and a strong sense of responsibility.

## Education

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**Netaji Subhash Engineering College**

*Bachelor of Technology in Information Technology (CGPA: 7.6)*

**August 2023 – June 2027**

*Kolkata, West Bengal*

## Projects

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**Waste Management Website** | *React, Tailwind CSS, Express, Redux*

**January 2026**

- EcoCollect is a digital waste-management platform that converts household waste into credits by connecting users, waste pickers, and recycling businesses—promoting a circular and sustainable economy.
- AI-based waste recognition, credit rewards, smart doorstep pickups, sustainable e-commerce, and impact tracking through analytics.
- Frontend:** React (Vite), TailwindCSS, Redux Toolkit; **Backend:** Node.js, Express, MongoDB, JWT ;**AI & Tools:** Google Generative AI, Cloudinary, Nodemailer.

**Text To Image Generator** | *React, Tailwind CSS, Clipdrop API*

**September 2025**

- Developed an AI-powered image generation application, enabling users to create unique images from descriptive text prompts.
- Integrated the Clipdrop API to process user input and render high-quality visual content, enhancing creative workflows.

**Video Calling Chat App** | *MongoDB, Express.js, React, Node.js*

**October 2025**

- Built a real-time video calling and chat app using WebRTC, React.JS, and Node.js for seamless peer-to-peer communication
- Implemented secure authentication and dynamic room creation for private video and chat sessions.
- Used MongoDB for message storage and optimized async event handling for smooth streaming performance.

**Personal Portfolio Website** | *React, Next.js, Tailwind CSS*

**August 2025**

- Developed a fully responsive personal portfolio to showcase my projects, skills, and experience.
- Implemented dynamic components, smooth animations, and a contact form using modern web technologies.

## Technical Skills

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**Languages:** JavaScript, Java, C, Python, SQL

**Frontend:** React.js, Next.js, Tailwind CSS

**Backend:** Node.js, Express.js, MongoDB

**Tools and Platforms:** Git, Docker, Cloudinary, JWT, Nodemailer

## Certifications

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- MERN Stack: All You Need to Know with Practical Project — Udemy (22 hours)
- Complete Bootstrap & React Bootcamp with Hands-On Projects — Udemy (13 hours))

## Achievements

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- Participated in Smart India Hackathon (SIH) 2025, collaborating in a team to develop a problem-statement-driven software solution under strict time constraints.
- Selected for HackNITR 7.0 at NIT Rourkela among 500+ teams; built a full-stack solution under 24 hours.

## Profile Links

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- Leetcode
- GitHub