

SANTANU RAJ

SubhasGram, Kolkata-700147, India

+91-9330054911 santanuraj75@gmail.com [linkedin.com/santanu-raj](https://www.linkedin.com/santanu-raj) [santanu0101](https://github.com/santanu0101) santanu-raj.vercel.app

Profile Summary

Self-motivated MCA student specializing in full-stack web development using the MERN stack. Proficient in backend development, RESTful API design, database management with MongoDB and MySQL, and real-time applications using Socket.io. Passionate about leveraging AI tools to streamline workflows, solve complex problems, and deliver high-quality solutions in collaborative team environments.

Education

Narula Institute of Technology (MAKAUT)

Master of Computer Applications(MCA) — CGPA: 8.84

2023 – 2025

Kolkata, India

Dinabandhu Andrews Institute of Technology And Management (MAKAUT)

Bachelor of Computer Applications(BCA) — CGPA: 8.97

2020 – 2023

Kolkata, India

Technical Skills

Backend Development: Node.js, Express.js

Databases: MySQL, MongoDB

Languages: JavaScript, Java, C, PHP, Python

Web Development: HTML, CSS, REST APIs

Core Concepts: RESTful APIs, JWT Authentication, MVC Architecture, Object-Oriented Programming (OOP)

Tools & Platforms: Git, GitHub, VS Code, Postman

AI Integration: OpenAI API, AI-assisted development with ChatGPT, Grok, Gemini, Copilot

Academic Projects and Experience

Hostel Management System [↗](#) | [PHP](#), [HTML](#), [CSS](#), [JS](#)

2024

- Developed a web-based system to manage hostel student records with both backend and frontend technologies.
- Implemented a student registration process for hostel rooms and an admin module for room allocation.
- enhanced a web-based system to manage hostel student records with both backend and frontend technologies.
- Role: Backend Developer** – handled backend development, Git/GitHub for version control.

JIS R AND D website [↗](#) | [PHP](#), [HTML](#), [Tailwind CSS](#), [jQuery](#)

2024

- Built a research and development portal for faculty members to register for available projects.
- Automated project allocation based on faculty specialization and degree
- improved a research paper submission system with deadlines and automated email notifications.
- Role: Backend Developer** – managed backend development, Git/GitHub for version control.

Code Craft [↗](#) | [MERN Stack](#)

2023

- Designed and developed an online coding practice platform similar to LeetCode, allowing users to solve coding problems directly in the browser.
- Implemented a secure login and authentication system using Gmail OTP verification without requiring a username or password.
- Integrated a real-time code execution engine to run user-submitted code and display output instantly.
- Built a basic code review system to analyze submitted code and provide feedback on issues and improvements.
- Role: Full Stack Developer** – controlled Full Stack Development, authentication, and code execution logic using Node.js, Express, MongoDB, and integrated version control with Git/GitHub.

Soft Skills

- Problem Solving
- Continuous Learning
- Time Management
- Team Collaboration

Certifications

- Mobile & Web Technology - Ministry of Electronics and Information Technology (MeitY)
- PHP industrial Training - NSIC