SUROJIT GHOSH

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Summary

MCA student and Full-Stack Developer with practical experience in building real-world academic and freelance projects. Skilled in modern web technologies and frameworks, focused on writing clean and maintainable code. Strong in problem-solving and debugging, quick to adapt to new technologies, and effective in teamwork and communication.

Technical Skills

Languages	C, C++, Java, Python, JavaScript, TypeScript, HTML, CSS
Technologies/Frameworks	React.js, Next.js, Node.js, Express.js, Tailwind CSS
Databases	MongoDB, PostgreSQL, Prisma ORM
Developer Tools	Git, GitHub, VS Code, Postman

Education

Institute of Engineering & Management, Kolkata   2024 - 2026 (expected)
Master of Computer Applications | CGPA: **8.38**

Coursework: Advanced Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Computer Networks

Netaji Mahavidyalaya   2021 - 2024
Bachelor of Science in Computer Science | CGPA: **7.94**

Coursework: DSA, OS, CN, OOPs, Software Engineering, DBMS, UNIX/Linux

Experience

Full-Stack Developer (Freelance)   2022 – Present

- Worked on 15+ real-world projects including full-stack web apps and automation tools (Discord applications).
- Applied SDLC practices: requirements gathering, development, testing, deployment, and support.
- **Tech Stack:** React.js, Next.js, Node.js, Express.js, Tailwind CSS, JavaScript, MongoDB, PostgreSQL, Prisma

Projects

Discord Ticket Tool Dashboard | Live

- Built a dashboard for managing tickets, roles, permissions, and server configurations.
- Implemented role-based access control, multi-step ticket workflows, and custom permissions for efficient moderation.
- Added analytics panels to monitor ticket counts, user activity, and server performance.
- Integrated logging, notifications, webhooks, and automation features for seamless management, developed collaboratively with a Discord bot developer.
- **Tech Stack:** Next.js, React, Tailwind CSS, Shadcn UI, Prisma, Discord API

Uniclip – Video Downloader & Trimmer | GitHub · Live

- Developed a web application for downloading and trimming YouTube videos with precise timestamp control.
- Implemented WebSocket connections for real-time progress tracking.
- **Tech Stack:** Next.js, Tailwind CSS, Go Fiber, WebSocket, FFmpeg

Snippy - Simple and Reliable URL shortener | GitHub · Live

- Built a URL shortener application with features including custom aliases, password protection, link expiration, and QR code generation.
- Implemented secure redirects for different devices and locations.
- Designed and integrated an analytics module to track clicks, user activity, and device usage.
- **Tech Stack:** Next.js, Tailwind CSS, Prisma, MongoDB