

# SOUVIK CHAKRABORTY

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## EDUCATION

### Jadavpur University, Kolkata

Master of Computer Application (MCA) - 7.81 CGPA

Oct 2024 - Present

Kolkata, West Bengal

### Maulana Abul Kalam Azad University of Technology

Bachelor of Computer Application (BCA) - 8.83 CGPA

Aug 2021 - July 2025

Kalyani, West Bengal

## WORK EXPERIENCE

### FullStack Developer | [Link](#)

Jan 2025 - August 2025

#### Chainfly

Remote

- Developed and architected an Energy Management SaaS product as a Full-Stack Engineer, leading end-to-end system design, development, and deployment.
- Drove 200% growth in market investor reach by integrating AI, GIS mapping, and data representation into a SaaS product.
- Improved backend security with comprehensive measures and optimized database operations for better performance. Managed CI/CD pipelines and streamlined AWS deployments, leading to a 45% improvement in user access speeds.

### Backend Intern | [Link](#)

Oct 2023 - Apr 2024

#### Birthvenue

Remote

- Engineered a scalable backend and RESTful API for a Web 3.0 social media product, creating API designs and reducing API response times by 40% Integrating smart contracts.
- Implemented security and validation measures for API endpoints, tested with Postman while effectively handling and optimizing database operations. Streamlined Azure CI/CD, tripling deployment frequency and reducing deployment time by 66%.

## PROJECTS

### Driven Design | NextJS, ReactJS, Tailwind Css, Typescript, Convex, LiveBlocks, Clerk | [Q](#) | [Link](#)

- Built a real-time collaborative whiteboarding application with organization management, live cursor tracking, and board sharing using Next.js, TypeScript, Tailwind CSS, and ShadCn.
- Integrated Convex for real-time database updates and live room creation, Liveblocks for user tracking and live cursors, and Clerk for authentication, user management, and team invitations.

### AI-Buddy Extension | Plasmo, React, NextJS, Tailwind Css, Vercel AI SDK, Hugging face AI, Chrome MV3 | [Q](#) | [Link](#)

- Developed an AI-powered chat companion as a Chrome extension using Plasmo framework, React, and Tailwind Css, with a 95% cross browser compatibility and 40% faster UI component rendering.
- Implemented a scalable backend using Next.js API routes, integrating the Vercel AI SDK with Hugging Face AI model to generate efficient, real-time streaming responses based on user prompts.

### Edu-Hub | ReactJS, NextJS, Tailwind Css, Typescript, Prisma, Mux, Stripe, PostgreSQL( Neon DB), Docker | [Q](#) | [Link](#)

- Engineered a full-stack Learning Management System using Next.js, implementing progress tracking and API routes. Integrated Prisma ORM with PostgreSQL( NeonDB) and incorporated Stripe for payment processing.
- Optimized media handling by integrating UploadThing for efficient file storage and Mux for improved video quality and streaming.

## SKILLS AND RELEVANT COURSEWORK

**Languages:** C, C++, Java, Javascript/TypeScript, Python, GoLang, Solidity

**Technologies:** HTML, CSS, NodeJS, ExpressJS, ReactJS, VueJS, NextJS, NestJS, React Native, Django, Flask, Prisma, Tailwind CSS, MySQL, PostgreSQL, MongoDB, Redis, Firebase, GraphQL, Plasmo, TurboRepo, Nx

**DevOps:** Docker, AWS, Azure, CI/CD, Git, Github Actions, Nginx

**Soft Skills:** Teamwork, Leadership, Problem solving, Attention to detail, Time management, Communication, Creativity

## OPEN SOURCE CONTRIBUTIONS

### GSSOC / SSOC - Open Source Contributor | [Link](#)

May 2023 - Aug 2023

GirlScript Summer Of Code / Social Summer of code

- Ranked in the top 12% globally in the GitHub Community and top 16% in the Quine Community, contributing to multiple open source repositories via Quine.sh under SSOC'23.
- Enhanced LinksHub's performance, achieving a 40% Lighthouse score improvement under GSSOC'23.

## ACHIEVEMENTS AND CERTIFICATIONS

### Hacktoberfest Hall of Fame contributor | Hacktoberfest

Oct 2023

### Smart India Hackathon'23 Internal Round - Runner Up | SIH Makaut

Sept 2023

### Postman API Student Expert | Postman

July 2023

### MackATHon (3rd position) | Makaut Hacks

Sept 2022