

MANIK MAITY

Kolkata, West Bengal, India

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Profile Summary

Full-stack developer with production experience in scalable SaaS architecture, API optimization, and performance-focused frontend systems.

Experience

WhiteRose Lab

May 2025 – Present

Full-Stack Developer (Intern → Full-Time)

Kolkata, India

- Employee management SaaS frontend was difficult to scale and delaying releases. Re-architected with modular components and structured architecture, reducing feature rollout time by ~30%.
- Load times were impacting UX. Implemented caching, lazy loading, and bundle splitting, reducing load time by ~40%.
- APIs returned inconsistent and excess data. Rebuilt endpoints in Express.js and optimized PostgreSQL queries using CTE joins, improving response accuracy and reducing over-fetching by ~25%.
- Legacy admin app was cluttered and slow. Rebuilt the fundraising dashboard from scratch using file-based routing and module based architecture, simplifying UX and improving performance.
- CI/CD pipeline lacked test coverage in the waitlist management web app. Implemented Cypress E2E tests for authentication and core workflows, reducing production bugs by ~25%.
- Waitlist platform lacked super-admin controls and faced recurring production issues. Built super-admin features in the Next.js codebase, fixed critical bugs, and implemented dynamic waitlist templates, improving administrative control and system stability.

Projects

Socify – Social Media Platform | [Live](#) | [Repo](#)

Mar 2025

- Full-stack social media platform using Next.js, TypeScript, Prisma, and PostgreSQL.
- Implemented realtime notifications, infinite scrolling feed, posts, likes, comments, and search.
- Integrated secure authentication with Clerk and built a responsive UI using TailwindCSS.

Slack Clone – Real-Time Collaboration Platform | [Live](#) | [Repo](#)

Jan 2025

- Real-time messaging platform using React, Express, MongoDB, Socket.io, and Redis.
- Designed workspace and channel management with low-latency messaging and JWT authentication.
- Integrated subscription billing via Razorpay and rich-text editing with media support.

Coursify – AI Course Marketplace | [Live](#) | [Repo](#)

Oct 2024

- AI-powered course marketplace using React, Node.js, Express, and MongoDB.
- Enabled browsing, enrollment, video playback, and AI-based course content generation.
- Implemented secure JWT authentication and optimized API communication using Axios.

Technical Skills

Frontend: ReactJS, Next.js, TypeScript, TailwindCSS, Tanstack packages

Backend: Node.js, Express.js, REST APIs, Hono

Databases & ORM: MongoDB, PostgreSQL, Drizzle, Mongoose

Realtime & Systems: Socket.io, Redis, Docker, AWS, Git

Education

Sikkim Manipal University

2025 – 2027

Master of Computer Applications (MCA)

The Bhawanipur Education Society College

2021 – 2024

Bachelor of Commerce

Kolkata, West Bengal

Physics Wallah

2023 – 2025

Full-Stack Development