

SWARNENDU MAITY

Haldia, West Bengal

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Linkedin

Github

LeetCode

Portfolio

TECHNICAL SKILLS

Frontend: JavaScript, TypeScript, ReactJS, NextJS, Redux

Backend: NodeJs, TypeScript, WebSockets, SocketIO, Docker, JWT, Golang

Database: MongoDB, Redis, Convex

PROJECTS

RealTime Code Editor [Github](#)

2024

- Tech Stack: **ReactJS, TypeScript, NodeJS, SocketIO, Redux, Express, TailwindCSS**
- Developed a **real-time** collaborative code editor visible to all members via unique IDs, with live code execution.
- Enabled code **uploads** from local machines and **download** of written code, enhancing user convenience.
- Implemented a **chat** feature for seamless group communication
- Added **drawing** capabilities using **tldraw**, allowing users to create and share drawings.
- Achieved 95% synchronization accuracy among connected users.

MERN-Ecommerce [Github](#)

2023

- **Tech Stack:** React, NodeJS, TypeScript, MongoDB, Redis, Docker, Redux, SCSS
- Built a comprehensive e-commerce platform with product cart, order features, and **Stripe** payment integration.
- Developed a full-featured **admin** dashboard with dynamic **Pie, Bar, and Line** Charts for **analytics**.
- Improved application speed by **70%** through **Redis** data **caching**.
- Reduced loading times by **20%** using **Lazy** loading technique.
- Processed over **10,000** transactions with **Node.js** API, maintaining **99.9%** uptime.

Eraser Clone [Github](#)

2024

- Tech Stack: **React, Next Js, Convex Database, Tailwind, TypeScript, ShadCN,**
- Created a clone of the Eraser app with both **document** and **drawing** functionalities.
- Integrated an authentication system using **Kinde** for secure user management.
- Reduced server response time by **40%** with optimized database queries.
- Supported concurrent editing for up to **50** users.

Blog Application [Github](#)

2023

- Tech Stack: **React, Redux, React-hook-form, Docker, Tailwind, AppWrite**
- Basic Level Blog application with Add Post, Delete Post.
- Integrated an authentication system using **Appwrite** for secure user management.
- **CRUD** operations.
- Dockerize the whole application and deployed on **vercel**.

My Projects on Golang [Github](#)

2024

- Basic Level Backend CRUD API written in Golang

EDUCATION

Haldia Institute of Technology, Haldia

2022-2026

B.Tech - Computer Science and Engineering - **CGPA - 9.44**

Haldia, West Bengal

COURSEWORK / SKILLS

- | | | | |
|---------------------|---------------------|-------------------|------------------------|
| • DSA | • OOPS Concepts | • System Design | • Software Engineering |
| • Operating Systems | • Computer Networks | • Cloud Computing | • DBMS |