



Saptarshi Majumdar

Full Stack Engineer

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Profile

Driven IT student with a strong affinity for technology and business dynamics. Seeking an internship to gain hands-on experience and learn about intricate workings of businesses. Eager to innovate, problem-solve, contribute to dynamic projects and blend tech prowess with business acumen.

Research interest in fields of finance and machine learning.

Skills

BACKEND

Express, NodeJS, Hono, Wrangler and Cloudflare workers, Turborepo, NextJS

FRONTEND

React, Tailwind, NextJS, HTML, CSS, Javascript

DEVOPS (BASIC)

Docker, Github, AWS

DATABASE MANAGEMENT SYSTEMS, ORMS

PostgreSQL, Prisma, MongoDB

DSA

Standard data structures and algorithms (300+ problems solved)

PROGRAMMING LANGUAGES

C, C++, Java, Javascript, Typescript, Python

Education

JADAVPUR UNIVERSITY, KOLKATA

2022-PRESENT

BE in Information Technology, GPA-8.58

ST. XAVIER'S COLLEGIATE SCHOOL, KOLKATA

2010-2022

95.8% - X(ICSE) | 94.6% - XII(ISC)

Projects

DOCTALK-AI

Designed and implemented an application to summarise and talk to PDF documents using Openai API. Users can signup, upload documents (stored in a cloud service), and chat with the documents uploaded. The text from the PDF is automatically extracted and fed to the Openai model and used to answer the questions of the user based on it.

Openai API ◦ Cloudinary SDK ◦ MongoDB ◦ React ◦ Tailwind ◦ Express ◦ NodeJS

GitHub - <https://github.com/saptarshimajumdar/DocTalk>

SAMVAAD

Developed and deployed an end-to-end blogging website. Users can read the blogs posted and can signup to create blogs of their own. Hosted on serverless Cloudflare workers.

Cloudflare Workers ◦ Hono ◦ PostgreSQL ◦ Prisma ◦ React ◦ Tailwind ◦ NodeJS

GitHub - <https://github.com/saptarshimajumdar/Samvaad>

Deployed at - <https://samvaad-omega.vercel.app>

CASHFLOW

Made an application to simulate online wallets. Users can signup, add balance and transfer money(from dummy banking apis) to any other user signed up on the platform - Upgraded version of *SmartWallet* which had a similar functionality(link provided).

Turborepo ◦ NextJS ◦ NextAuth ◦ PostgreSQL ◦ Prisma ◦ Tailwind ◦ Express ◦ NodeJS

Cashflow GitHub- <https://github.com/saptarshimajumdar/cashflow>

SmartWallet GitHub- <https://github.com/saptarshimajumdar/SmartWallet>

MESSENGER

Developed a real-time chat application using Socket.IO. Users can signup and chat to any other user on the platform in real time. Private groups can also be created.

Socket.IO ◦ Cloudinary ◦ React ◦ Tailwind ◦ MongoDB ◦ Express ◦ NodeJS

GitHub - <https://github.com/saptarshimajumdar/Messenger>

Relevant Coursework

DBMS

DSA

OOPs

OS

CN

Achievements and Extracurriculars

- AIR 323 in WBJEE 2022(99.7%ile)
- 99%ile in JEE(Main) 2022
- 300+ problems solved on various platforms(Codeforces, Leetcode, GeeksForGeeks)
- Writing, Video Editing
- UI, graphic design, digital art - Figma ◦ Photoshop (@sxptxrshi)