

Mahdi Tanzim

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EDUCATION

CUNY Baruch College

Expected Graduation May 2024

Bachelors of Business Administration in Computer Information Systems / Data Analytics

Coursework: Python Programming, Object Oriented Programming (C++), Programming for Analytics, Database Management, Data Mining for Business Analytics, Business Statistics

SKILLS & ADDITIONAL INFORMATION

Languages: Proficient: *JavaScript (4 yrs), Python (4 yrs), TypeScript (2yrs)*, Intermediate: *C++ (2 yrs)*

Frameworks / Libraries: React, Next.js, Redux, Chart.js, Tailwind CSS, Firebase

Interests: Mathematics, Astronomy, English Literature, Paleontology, History, Calisthenics

EXPERIENCE

Software Engineer Intern

Aug 2023 – Nov 2023

Frontend Simplified

Remote

- Transformed a completely static website with React and JavaScript into an interactive user interface using animations, transitions and carousels
- Processed API requests with **Axios** to dynamically represent data from a cloud server and represented it through skeleton loading states, pagination and dynamic routing
- Utilized **Git version control** and the GitHub interface to work and thrive in collaborative team
- Collaborated with 4 interns to gather **200** students' feedback, identifying product fit targeting a **\$500M** market

PROJECTS

YourCongress HackColumbia 1st Place Win | 40 Hours | *Flask, Python, React, Javascript, ChromaDB, AGI*

- Developed a web app with React and Flask, simplifying policy engagement via Congress API
- Integrated **ChromaDB** and **OpenAI ADA** to access and visualize 9000+ policies on an interconnected graph
- Implemented Bing AI search for real-time policy insights, clarifying complex legislation
- Built with **GenAI** and RAG technologies, enabling users to send research-backed policy proposals to Congress

LifeStreak (Yale University Hackathon) | 26 Hours | github.com/MahdiT54 | *React, Chart.js, Javascript*

- Created a web application for logging healthy habits with **React**, calculating savings from future health costs
- Integrated **Chart.js** to graphically show money saved over time with healthy lifestyle choices
- Built health habit-tracking with a **data model** linking activities to cost savings by age and location

Twitter Clone | 50 Hours | github.com/MahdiT54 | *Next.js, Redux, JavaScript, TailWind CSS, Firebase*

- Led the end-to-end development of a Twitter clone using **Next.js**, Firebase, Redux, and JavaScript, providing users with a dynamic and real-time social media experience
- Developed the functionality for users to upload images with live preview using React state and **FileReader**.
- Implemented **Firebase** Storage integration to upload and associate images with corresponding tweets.

Mahdiflix | 40 Hours | github.com/MahdiT54 | *React, Redux, JavaScript, Stripe API, Firebase*

- Developed and implemented a functional Netflix clone using React, Firebase, Redux, and **Stripe**, providing users with a seamless streaming experience
- Successfully integrated Stripe payment gateway, allowing for functional **subscription tiers**
- Implemented **Firebase** authentication to ensure secure user login and registration

OMDbGo | 30 Hours | github.com/MahdiT54 | *React, Redux, JavaScript, Firebase*

- Developed a movies library app using **React** to transform a movie database into a fully functional web application
- Implemented **OMDb API** for data such as movie titles, release dates, cast and crew information, ratings, plot summaries, posters, and more, aiding in project code generation
- Integrated sign-in/sign-up authentication using **Firebase** and **Redux**, streamlining user access

Mahdi's Library | 18 Hours | github.com/MahdiT54 | *React, JavaScript*

- Created e-commerce site for book sales using React and JavaScript
- Built seamless shopping cart for easy book selection and management with **useEffect** and **useState** hooks
- Enhanced user engagement with dynamic features like suggested books and reviews

ACTIVITIES

Lyft, Software Engineer Fellow

Jun 2022 - Jul 2022

- Collaborated with Lyft engineers to strengthen technical interview skills and implement efficient algorithms

Goldman Sachs, Mentee

May 2022 - Jul 2022

- Provided insights into Goldman Sachs firm culture and learned principles of the fintech industry