

Ashrafal Mahin

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EDUCATION

CUNY – Hunter College

Bachelor of Arts in Computer Science

Expected Graduation, May 2026

New York, NY

TECHNICAL SKILLS

Languages/Frameworks: HTML/CSS, Javascript, React, Next.js, SQL, Supabase, Firebase, Python, Flask, C++

Developer Tools: Git, Github, VS Code, Visual Studio, Google Colab, Postman, Vercel

EXPERIENCE

Software Engineering Fellow

Headstarter AI

July 2024 – Present

New York, NY

- Building 5+ AI apps and APIs using **Nextjs**, **OpenAI**, **Pinecone**, **StripeAPI** with 98% accuracy as seen by **1000 users** with mentorship from Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns
- Developed projects from design to deployment leading 2 engineering fellows using MVC design patterns

Software Engineer Intern

City University of New York — BMCC New York, NY

January 2024 – June 2024

New York, NY

- Created a platform to lower INC resolution rate from 50% by developing a full-stack web application using **HTML/CSS**, **Javascript**, **MySQL** and **PHP** for a student platform
- Developed and implemented an advanced AI chatbot using **IBM Watson**, significantly enhancing user experience through responsive, interactions and providing a more engaging process

Software Engineer Intern

Cognizant Technology Solutions

December 2023 – January 2024

Teaneck, NJ

- Streamlined the demo process of 6 different positions in the QNXT and Facets system for potential buyers by collaborating with a team of 5 to design and execute a client-facing portal using **HTML/CSS**, and **JavaScript**
- Optimized sales process from 7 days to 24 hours by utilizing **Flask** and **SQL** to architect and develop a dynamic website with tailored UI/UX based on user position of the company
- Presented a strategic project to executives, enabling TriZetto Healthcare Solutions clients to preview our website before engaging with sales, optimizing outreach effectiveness

PROJECTS

EZ-Intern

July 2024

- Launched an internship discovery platform, successfully onboarding over **150 active users** within the first month.
- Implemented sophisticated web scraping solution using **Cheerio** to extract and synchronize **200 internship** listings in **Firebase**, achieving daily data refresh for optimal data accuracy and relevance
- Deployed a dynamic front-end interface leveraging **Vercel**, **ShadCN**, **Next.js**, and **Typescript** to enhance user interaction and facilitate efficient retrieval of curated internship opportunities

BMCCWellness | AI Innovation Challenge

May 2024

- Created a platform to combat the 86% of CUNY students with symptoms of depression anxiety disorder
- Used **Google Gemini** API for prompt engineering to tailor specific responses to users based of data given in prompting and user requests
- Executed a presentation alongside 2 teammates to industry professionals and BMCC staff with interactive platform using **ShadCN**, and **React**

BlackStone Compass | Blackstone Launchpad Hackathon

March 2024

- Developed workflow tool for managers with a full-stack web application using **Next.js**, **React**, and **Supabase**
- Leveraged **Google Gemini's** with prompt engineering solutions to generate scores for factors such as ROI, time value, task importance, and more to make SDLC more efficient