

Abir Mahmood

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Education

New York University

Sep 2024 - May 2026 (Expected Graduation)

B.A. in Computer Science, Minor in Economics

New York, NY

- NYU POISE Scholarship Recipient: 1 of 4 selected for the competitive NYU POISE 2-year full scholarship

Borough of Manhattan Community College

Degree Awarded: May 2024

A.S. in Computer Science (GPA: 3.94 / 4.00) Honors Program Graduate

New York, NY

Experience

Software Engineering Fellow

July 2024 – Present

Headstarter AI

Remote

- Building 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developing projects from design to deployment, leading 4+ engineering fellows using MVC design patterns
- Being coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns

AI/ML Fellow

May 2024 – Present

Cornell Tech

New York, NY

- Selected from 3000+ applicants for Break Through Tech AI, a prestigious year-long fellowship program supporting diversity in AI, ML, and Data Science.
- Contributing to a rigorous 12-month curriculum, including earning a Machine Learning Certificate from Cornell faculty and receiving mentorship from industry leaders.

Software Engineer Intern

Jun 2023 – Sep 2023

SPEAKHIRE

Remote

- Implemented matchmaking algorithm to pair students with mentors using React and TypeScript to drive an increase in matches by +62%
- Built dashboard from 0 to 1 using React MUI and TypeScript to give school administrators actionable insights into the efficacy of the mentorship program.
- Transformed raw attendance data from 50+ mentoring sessions into interactive visualizations on the website by integrating D3.js, enhancing data presentation and user understanding of attendance trends

Projects

📺 Freshman Roadmap | 1st place award

- Developed and designed a website amongst a team of three individuals under a time constraint of 12 hours for a hackathon sponsored by CUNY.
- Constructed the website to serve as an information hub for incoming freshmen such as: campus information, student programs, club information, and an FAQ page that is similar to Stack Overflow's QA system.

🔗 Trashtype | HTML, CSS, JavaScript and TensorFlow.js

- Built Trashtype, a user-friendly website aimed at promoting proper recycling practices, in a 2-day Hackathon.
- Implemented innovative features, such as a webcam integration powered by TensorFlow.js, enabling users to scan items and accurately categorize them as recyclable, compostable, or garbage.
- Collaborated effectively in a 3-member team, taking responsibility for the overall website design and layout while ensuring seamless integration of different components for a cohesive user experience.

Technical Skills

Languages: Python, C, C++, HTML, CSS, Javascript, Typescript, React

Technologies: Git, Github, VS code, Unity, Auth0, Qt, Arduino, D3.js, p5.js, Excel, Figma, Canva, Adobe Photoshop

Activities

President | Transfer Success Student Club

Jan 2024 – May 2024

- Founded and led a club to support 50+ underrepresented students' transition from community college to university, managing 10+ events, weekly meetings with 20+ attendees, and coordinating 5+ guest speakers each semester.