

# MUHAMMAD HASNAIN SHABBIR

917-294-7022 | [mshabbir.com](mailto:mshabbir.com) | [shabbir.muhammad@outlook.com](mailto:shabbir.muhammad@outlook.com) | [in/muhammadhshabbir](https://in.muhammadhshabbir) | [GitHub.com/mhshabbir](https://GitHub.com/mhshabbir)

## EDUCATION

### B.S. Computer Science | City College of New York (CUNY)

Dean's List, 3.5 GPA / December 2024

- Recipient of Grove Scholarship & Colin Powell Fellowship in Leadership & Public Service

**Programming Skills:** React JS, JavaScript, Python, C++, SQL, NoSQL, Java, CSS, HTML, Bootstrap & Git Bash

**Proficient Technology:** AWS Cloud Certified, MongoDB, PostgreSQL, Figma, Tableau, Jira, Postman & GitHub

**Relevant Coursework:** Algorithms, Data Structures, Object Oriented Programming, Software Engineering & Databases

## EXPERIENCE

### Subzmanager | Co-Founder & Software Engineer

New York, NY / January 2023 - Present

- Developed an MVP for a web application in a team of 3 using ReactJS that enables E-commerce businesses to manage their subscription customers. **The startup has won 4 competitions and \$5,000 in funding.**
- Designed the RestAPI to fetch data from Squarespace and Shopify Endpoints. Improved onboarding for new customers.

### STEM Institute (CCNY) | Software Engineer

New York, NY / July 2022 - Present

- Managed and trained a team of 8 college assistants to maintain 1000+ student learning management system.
- Integrated real-time data upload into Google Sheets from the learning management system resulting in improved student data accuracy, and **reduced data cleaning and duplication by 25%.**
- Created reports, integrated student data, and presented it by developing interactive dashboards through Google Sheets API.

### Mastercard | Software Engineer Intern

Arlington, VA / June 2023 - August 2023

- Increased retrieval of business records by 18% through developing a user interface in a team of 3 for a client-facing web application using **React JS** and **Rest API** from a Java server.
- Implemented UI validation and presented client and server-side errors using **Toast** to avoid invalid API requests.
- Designed and developed internal graphical **dashboards using PostgreSQL, Splunk, and Tableau.** Led to faster detection of service downtimes and provided information on error locations.
- Enabled Real-time monitoring and evaluation for Mastercard's goal of "achieving Net Carbon Zero by 2050", building an interactive dashboard with a team of 6.

### Sweet Vegan Chocolates | IT Assistant

New York, NY / August 2021 - June 2022

- Increased efficiency in the order fulfillment process by 86% through automation using SaaS (Zapier, Automate.io, and Squarespace API), resulting in **savings of \$9,000** annually.
- Developed an Excel model to automate the production quantity for optimal outcomes, **increasing profit margins by 12%.**
- Launched a middle-market product to expand our offering to a new customer base, resulting in a 15% increase in sales.

## PROJECTS & Fellowships

### Meetsync - CUNY Tech Prep | Team Lead & Full Stack Software Engineer

August 2023 - December 2023

- Developed an MVP in a team of 3 for a web application where users can find common times.
- Developed user authentication using Firebase and stored time data in MongoDB while syncing it to Google Calendar.
- **Technology:** ReactJS, Sequelize.js, Firebase, Jest, MVC, Express.JS, REST API, MongoDB, & Node.JS

### Computer E-commerce | Team Lead & Frontend Software Engineer

January 2023 - May 2023

- Developed E-commerce frontend using ReactJS, including user verification, product & content moderation, and checkout.
- Implemented an algorithm to display computer parts relative to each other based on customer selection.
- **Technology:** ReactJS, JavaScript, Flask, Python, Bootstrap, Figma, HTML & CSS

### Amazon Web Service | Data Technician Bootcamp

July 2022 - September 2022

- Applied Python concepts in AWS and DynamoDB to build databases and manipulate data using Pandas.
- Utilized AWS CLI to initiate and stop EC2 instances and S3 Buckets, and used Sandbox Evt to develop Python scripts.
- **Technology:** AWS, NoSQL, DynamoDB, Python, JSON, & Pandas Framework

### Centerbridge Investment Bank | Future in Finance Fellow

September 2022 - May 2023

- Year-long specialized training in the financial industry where I created financial models and investment strategies.
- 1 of 30 fellows out of 2000+ applicants. Fellowship Award of \$1000.

## AWARDS & AFFILIATIONS

- Bloomberg Tech Lab Fellow | Bloomberg Engineering
- BASTA's Google Software Engineer Program | Google
- Google Cultivate Student | Google
- Web Track Fellow | CUNY Tech Prep
- Blackstone Launchpad Incubator Challenge Winner | Blackstone
- Web Track 101 & Technical Interview Prep | [CodePath](#)

April 2024  
September 2023  
March 2023  
August 2023  
October 2022  
January 2023