

Amir Hamza

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EDUCATION

Brooklyn College (BC), City University of New York (CUNY)

Brooklyn, NY

Bachelor of Science in Computer Science

Expected May 2025

Relevant Coursework:

Discrete Structures and Algorithms, Java Programming, Database Fundamentals, Data Structures, Computer Organization

SKILLS

Programming: Java, JavaScript, React, Bash, HTML, CSS, Node.js, Express, SQL

Technologies: Xcode, Git/GitHub, OS X, Unix, Linux, Heroku, MongoDB, MySQL, PostgreSQL, Firebase, Sequelize, AWS, Jest

Certifications: PerScholas FullStack Software Engineer Bootcamp (Graduated Jan 2022)

Spoken Languages: Urdu (Fluent), Hindi (Conversational)

PROJECTS

CunySphere, [<https://cunysphere.onrender.com/>]

Sep 2023 – Present

- Developed a full-stack web application in a team of four to enable and enhance connectivity and interactive communication among CUNY students.
- Implemented Google's Firebase to enable real-time chat room functionality, ensuring instant communication and synchronized message exchange across all devices.
- Developed the Career Connect page, enabling users to securely upload resumes to an Amazon S3 bucket. Implemented seamless retrieval and storage functionality, while also facilitating user feedback on peers' resumes.
- Utilized authentication with bcrypt for enhanced security leveraging PostgreSQL with Sequelize for data management which allows user account creation.

WallPaper Generator, [<https://aluminium.github.io/CTP-Hackathon-Summer2023/>]

Aug 2023

- Collaborated with a team of 4 to create a user-friendly wallpaper generator that allows users to choose custom dimensions, color options for shape outline and filling, wallpaper preview, and download option.
- Helped implement the html webpage layout and aided in using and troubleshooting document query selector in the event handler function.

SneakersApp, [<https://sneakers-app-jodd.onrender.com/>]

Dec 2022 – Jan 2023

- Developed a full stack application using MERN stack (MongoDB, Express, React, Node.js) that uses authorization and authentication where users can buy sneakers.
- Successfully used JSON web token to secure information.
- Deployed application using Render.

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Fellow, Software Development

Jul 2023 – Jun 2024

- Selected for a competitive web development fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as React, Node + Express, and PostgreSQL.
- Participate in weekly courses and learn industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD.

PerScholas Software Engineer Bootcamp

New York, NY (Remote)

Fellow, Software Engineer

Nov 2022 – Jan 2023

- Collaborated in groups to solve problems focusing on the MERN Stack, JavaScript, HTML, and CSS based programming.
- Presented a final project and code to the whole class, received feedback and successfully implemented new ideas.

New Business Set-Up Inc

Brooklyn, NY

Office Assistant, IT Team

Jan 2021 – Apr 2022

- Set up and maintained a server while transitioning from stand alone to networking utilizing ProSeries tax software.
- Managed Intuit Proseries tax software to manage clients' files and reports, ensuring confidentiality of client information.
- Established effective systems for record retention leading to a notable decrease in the time required for tax preparation.

ASSOCIATIONS

Brooklyn College Computer Science Club

Aug 2020 – Present