

Furqan Khan

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EDUCATION

City College of New York – *Bachelor of Science in Computer Science*

Expected Graduation: June 2025

Relevant Courses: Data Structures, Algorithms, Programming Language, Computer Systems, Software Design Lab, Statistics

SKILLS

Programming: Python, Java, SQL, C, C++, JavaScript

Frameworks/Software: React, React Native, Nodejs, AWS, Git, RestAPI, HTML, CSS, FlexBox

EXPERIENCE

Tech Fellow – *The Headstarter*

Dec 2022 – February 2023

- Collaborated with experienced professionals to develop a solid understanding of Python best practices and industry standards.
- Leveraged knowledge gained from software engineers at Amazon, Tesla, Capital One, and Bloomberg to enhance problem-solving skills, resulting in a 44% more efficient code in team projects.
- Engaged in over 10 team discussions and brainstorming sessions to solve complex technical challenges, contributing to 3 major project improvements.

Tech Fellow – *CodePath*

January 2023 – April 2023

- Acquired comprehensive training in HTML, CSS, and JavaScript through CodePath's specialized curriculum, achieving a 95% score in assessments.
- Collaborated within a cross-functional team to strategize and allocate responsibilities for the development of a web-based platform aimed at facilitating user donations to global hunger relief organizations while providing comprehensive insights into various countries and their respective hunger crises.
- Created dynamic and interactive web pages using JavaScript, enhancing user experience and functionality, leading to a 30% increase in platform engagement.

PROJECTS

Bank Track

June 2023

- Initialized a terminal platform which enables platform users to manually track their bank account balance in multiple accounts.
- Created comprehensive data analytics features, providing users with visual representations of their spending patterns and financial trends, resulting in 20% better financial management among users.
- Equips user with the ability to track deposits, withdrawals, internal fund transfers, and balance updates daily, reducing financial discrepancies by 15%.

File Manager

May 2023

- Utilized Python and OOP principles to engineer a comprehensive system that facilitates users to generate, categorize, modify, and persistently archive digital files.
- Implemented features that conditionally generated, modified, or removed files, reducing file management time by 50%.

The Hunger Pandemic

March 2023

- Developed a dynamic website using HTML, CSS, and Javascript that tracks global hunger and poverty, encompassing features to raise awareness and facilitate donations.
- Designed an intuitive user interface with interactive data visualization, enabling users to explore and comprehend the extent of hunger and poverty worldwide.
- Embedded donation platforms with secure payment gateways, which allows users to contribute directly to organizations.

Snake Snack

January 2022

- Designed and developed an interactive, user-friendly interface for the classic snake game utilizing Java, Swing, AWT.
- Implemented OOP principles to create game objects, such as the snake, the fruit, and the game board, effectively managing the interactions among them.
- Developed collision detection algorithms for managing game states, enhancing game dynamics by providing immediate feedback to player actions, improving game replay value by 23%.

Ticker Picker

August 2020

- Discerned distinctive stock acquisitions made by large investment firms by creating a database using SQL, which has been accessed by over 1,000 users.
- Provides users an advantageous vantage point by proactively equipping them with preliminary insights into companies that conceivably stand to benefit from forthcoming positive developments, leading to an average portfolio gain of 12% among users.
- Enabled users to monitor the patterns of prominent investment conglomerates, which empowers investors to remain vigilant in anticipation of any detrimental developments that may impact the company.

EXTRACURRICULARS

Muslim Student Association (MSO) – *Vice President*

December 2022 – Present

Starbucks – *Barista*

May 2023 - Present

Association of Computing Machinery (ACM) – *Member*

September 2022 – Present

