

Khidir K. Ahmed

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EDUCATION

New York University

B.A. in Computer Science and Economics

New York, New York

Expected Graduation, May 2027

- **Related Coursework:** Intro to Microeconomics, Intro to Macroeconomics, Data Structures & Algorithms, Object-Oriented Programming, Intro to Programming and PS, Engineering and Design, Computer System Organization, Operating Systems, Calculus I, II and Discrete Mathematics
- **Organizations:** National Society of Black Engineers, Gentlemen of Quality, Academic Achievement Program, Trio Scholars, ColorStack and MSA

EXPERIENCE

The Home Depot

Incoming Software Engineering Intern

Atlanta, Georgia

May 2025 – July 2025

New York University

Desktop Support Assistant (Library IT)

New York, New York

September 2024 – Present

- Resolved over 50 helpdesk support tickets monthly, enhancing user experience and reducing system downtime.
- Managed security updates and OS installations for 60+ devices, enhancing system stability and reducing vulnerabilities.
- Collaborated on IT projects, such as library system upgrades, various tech-based projects.

Irondequoit Public Library

Page

Rochester, New York

March 2021 – November 2022

- Utilized library management systems (e.g., Dewey Decimal System) to catalog and organize 5,000+ materials.
- Guided over 100 patrons monthly in locating resources using the library database, offering amazing customer service.
- Led library reorganization projects, successfully redesigning the genre layout to increase space efficiency by 15% and improve patron browsing experience.
- Supported the introduction of 50+ new books and media items per month, streamlining inventory management.

PROJECTS

Conduct Crypto

Personal Project

New York, New York

December 2024 – January 2025

- Designed and launched a website to educate users on cryptocurrency and trading strategies, such as statistical arbitrage.
- Leveraged JavaScript, HTML, and CSS along with design tools to develop an interactive UI and applied distributed storage for holding authentication tokens for Login/Sign-up.
- Engineered a Python Flask script to automate trading operations via Coinbase, increasing trade execution accuracy.
- Employed Python libraries like Pandas to test patterns, employ data mining, and PyTorch to train a machine learning model on scraped news data, predicting cryptocurrency market trends.

DepthNav

Personal Project

Rochester, New York

July 2024 – August 2024

- Developed a custom website using HTML, CSS, Figma and JavaScript, implementing a user-friendly interface.
- Integrated a Python Flask API with OpenAI's GPT-4o, enhancing website and enabling responses for 50+ queries.
- Enabled over 100 users to discover nearby businesses, providing an interactive experience with AI applications, boosting local business engagement and offering seamless web services.

Vibrating Metronome

Team Member

New York, New York

September 2023 – December 2023

- Developed an interactive website using Java and HTML/CSS to demonstrate metronome functions.
- Collaborated in a team of 4 and applied agile development to create an Android application with a structured back end, enabling communication with Arduino module.
- Presented and iterated on multiple prototypes, incorporating feedback to enhance the final product's accuracy by 30%.

SKILLS & INTERESTS

Programming Languages/Libraries: Python, C, C++, Java, CSS5/HTML, Flask, Git, React, PyTorch, Pandas

Tools/IDEs: Android Studio, Thonny, PyCharm, CLion, IntelliJ, WebStorm, VScode, Xcode, GitHub

Languages: Fluent in English, Proficiency in Arabic (Native), Beginner in Spanish

Office: Word, Excel, PowerPoint, OneNote, Outlook and Teams

Interests: Hackathons, AI research, Fitness, Puzzles, Soccer and Journalism