

Nahfila Ali

(917)-742-1997 | ali.nahfila@gmail.com | www.linkedin.com/in/nahfilaali/ | github.com/nahfilaali

EDUCATION

CUNY - Hunter College

Bachelor of Arts in Computer Science

New York, NY

August 2021 - December 2023

Relevant Coursework: Data Structure & Algorithm, Object Oriented Programming, Computer Architecture, Computer Theory, Big Data Technology, Discrete Mathematics, Applied Statistics

EXPERIENCE

American Express

June 2022 - August 2022

Software Engineering Intern

- Refurbished American Express partner portal website with 15 team members. Collaborated on code implementation, validations, and bug/security checks, resulting in improved practicality and appeal.
- Interacted with 50+ colleagues to understand corporate culture, establishing professional connections and mentor-ship relationships. Contributed insights during bi-weekly "stand up" and general meetings, actively participating in discussions to support team goals.

American Express

January 2022 - February 2022

Software Engineering Intern

- Collaborated with a team of 3 to create a fully functional GraphQL model (using JWTs) to demonstrate the principles of authentication and authorization in data security.
- Led the team in completing the project 3 days ahead of schedule, presenting the deliverables to 30+ American Express leaders and stakeholders through a PowerPoint presentation and live JWT demo, resulting in positive feedback and further project enhancements.

Forging Opportunities for Refugees in America (FORA)

June 2019 - December 2022

Volunteer, Communications Assistant

- Tutored refugee children in English and mathematics through 100+ personalized sessions, and authored an awareness article generating 100+ views, enhancing understanding of global refugee issues.
- Earned the Silver Presidential Service Award for contributing 180+ hours of dedicated service within a year, reflecting a strong commitment to community engagement and education.

PROJECTS

VR Application | *Unity, Visual Studio Code, C#*

- Developed a VR application in Unity, featuring an interactive terrain and character animations, deployed in Google Cardboard. Optimized the project through efficient coding and asset management, reducing latency and supporting the seamless integration of more than 50 unique assets.

Social Media Application | *C++, Visual Studio Code*

- Developed a CLI-based social media application in C++ with features like account and post creation, post displaying, link validation, and poll creation, including user interactions like following and post flagging.
- Implemented a versatile post sorting algorithm considering user engagement, ad revenue, and account username, optimizing the user feed experience and increasing click-through rate by 30%.

Big Data Projects | *PyMongo, MongoDB, PySpark, Python*

- Leveraged PySpark to implement map/reduce function using word frequency-inverse document frequency algorithm for document importance calculation with 10,000+ entries, and developed a PySpark program to train a dataset of 80+ unique values using logistic regression based on 9 categories.
- Utilized PyMongo to create a program that processes and presents descriptions of a database containing 5,000+ diseases.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SQL, MIPS

Frameworks: React, Node.js

Developer Tools: Git, Docker, Visual Studio Code, PyCharm, Xcode, Postman, Slack, Trello, Jira, Kaggle, Google Cloud Platform, Canva

Libraries: pandas, NumPy, Matplotlib, Express.js, GraphQL