Ishmam Fardin

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EDUCATION

The City College of New York **New York, NY**

- Bachelor of Science, Computer Science **Expected June 2025**
- Minor in Management and Administration
- Cumulative GPA: 3.5
- Relevant Coursework: Data Structures, Discrete Mathematics Structure, Intro to Computing (C++), Probability and Statistics, Engineering Economics, CodePath Cybersecurity, Calculus 3, Linear Algebra, Intro to Blockchain

SKILLS

Programming Languages: Python, C++, Javascript, HTML/CSS
Technologies:: Tensorflow, Numpy, Matplotlib, Pandas, Request, Subprocess, Py-algorand-sdk, pySerial, Drone

PROJECTS

Internship Monitor Discord Bot | https://github.com/IshmamF/Internship-Monitor **July 2023 - Present**

- Developed a script in Python that monitors a github readme that has a list of internships and sends an embed with details of new internships to a specific channel on discord to help 15+ students be notified for internship opportunities
- Integrated script into a discord bot to allow anyone to use it in their servers.

Movie Rating Analysis | https://github.com/IshmamF/Movie-Rating-Analysis **April 2023 - May 2023**

- Collaborated with another student to go through a file of 20+ million movie ratings and a file of 58 thousand movies to analyze trends, statistics, and draw graphs/charts in Python with Matplotlib, Numpy, and Pandas
- Wrote an extensive documentation that highlights key insights and findings, provides explanation of code, as well as utilized graphs to explain relationships between data

EXPERIENCE

Louis Stokes Alliances for Minority Participation | City College Of New York **March 2023 - August 2023**
Research Intern

- Utilized machine learning to prognose Alzheimer's disease in patients as accurately as possible
- Produced and Updated a Tensorflow model until accuracy of predicting the slope of cognition decline improved from an average percent error of 121.54% to 18.8% and visualized results using Matplotlib
- Evaluated the performance of each model by implementing a "Leave One Out Cross Validation" script

CUNY Tech Prep | New York, NY **June 2023 - June 2024**
Fellow, Data Science

- Selected for a competitive data science fellowship with students from 11 CUNY senior colleges where Fellows create technical projects using tools such as Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL
- Learn industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data

Algorand Summer Research Institute | City College Of New York **June 2023**
Research Intern

- Created private Ethereum blockchain, and multiple nodes within it that worked together to mine Ethereum
- Generated, distributed, and traded a token/asset on the Algorand network atomically using Python
- Brainstormed and researched a solution that utilized blockchain to solve a supply chain issue

LEADERSHIP

Live Proxies & Servers Inc. | Remote Site **January 2021 - Present**

- Manage a team of 6 staff members and made sure a server with 20,000+ members on Discord runs smoothly