Jabir Chowdhury

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EDUCATION

City University of New York, Hunter College, New York, NY — **Expected May 2023**
Daedalus Computer Science Honors Cohort — GPA 3.7/4.0
Bachelor Degree, Computer Science and Mathematics
Stuyvesant High School, New York, NY — **June 2019**
Advanced Regents Diploma — GPA 4.0/4.0

RELEVANT COURSEWORK

Software Development, Systems Level Programming, Data Structures and Algorithms, Discrete Structures, Computer Architecture I, Linear Algebra, Data Mining, Database Management, Operating Systems

COURSE PROJECT

Software Development:

- Created a book and movie library application that provides recommendations based on previously read books and previously watched movies
- Developed an application to help users meet financial goals by organizing a savings plan and providing detailed visuals on daily and monthly spendings and their impact on total income

EXPERIENCE

Quality Assurance Intern, NYC DOT — **May 2022 - Present**

- Creating and executing manual test scripts for functional and regression testing over multiple web applications
- Developing automated test scripts to verify web application functionality
- Documenting and reporting of functional and visual bugs

Software Engineering Intern, NASA, New York City, NY — **August 2021 - December 2021**

- Collocating satellite sensors data using Collopak
- Writing scripts to merge datasets from multiple satellite sensors post- collocation
- Producing reflectances sampled in different geoboxes

Software Engineering Intern, MITRE, McLean, VA — **June 2021 - August 2021**

Project: Automatic Detection of Hate Speech and anti-social/ pro-social behavior on social media

- Integrating existing analytics and analytic components developed within the project into the larger prototype using python
- Generating metadata such as volume, velocity, and acceleration for each post in the testing data collection using python and visualizing them through visualization tools
- Transferring copies of the MongoDB data into a NEO4J graph database for graph-based analytics

SKILLS

Programming Languages	Python, Java, C, Javascript, C++
Software and Tools	Flask, Jinja, SQL, CSS, Bootstrap, HTML, MongoDB, ElasticSearch, Neo4J