Mukut Chowdhury (He/Him)

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EDUCATION

NYU Tandon School of Engineering, New York, NY   **Sept 2020 - May 2026 (Expected)**

Master of Science, Cybersecurity | Bachelor of Science, Computer Engineering | Minor, Business Studies

SKILLS

Programming Languages: Java, Python/Python Flask, C++, MS-SQL, HTML, CSS

Skills: Object Oriented Programming, Data Structures & Algorithms (Design Pattern in Java), Computer Networking

EXPERIENCE

Bobby-Tariq Tutoring Center, New York, NY   **Nov 2023 - Present**

Role: Product Manager, Computer Science Instructor   **Part-Time**

- Provided an extensive curriculum to teach AP computer science concepts, maintaining secure coding practices
- Ensuring efficient daily operations by supervising a team of 3+ managers, 15+ employees, and 10+ interns
- Reduced wait time by 60 % person with a secure online scheduling system, improving customer experience

NYC Department of Consumer and Worker Protection, New York, NY   **July 2023 - Nov 2023**

Role: Automation Software Engineer, Quality Assurance Engineer   **Internship**

- Tested 50+ consumer protection software applications with 98% bug detection, following cybersecurity compliance
- Worked with software developers to reduce security vulnerabilities & application errors by 15% on 300+ test cases
- Utilized Selenium in Java to automate 30+ security-focused test cases, bolstering testing precision and efficiency
- Presented technical documentation through engaging presentations to supervisors

NYU Tisch School of the Arts, New York, NY   **Aug 2022 - Jul 2023**

Role: Cybersecurity Engineer   **Part-Time**

- Applied Six Sigma, reducing turn-around time by 50% by resolving hardware, software, and security issues
- Managed and secured website by implementing robust cybersecurity measures
- Monitored 10+ client interactions daily via ServiceLink to ensure confidential handling of client data and requests
- Collaborated closely with the team to strategize automation roadmap with key software and cybersecurity insights

RELEVANT PROJECTS

Eats Explorer   **Aug 2023 - May 2024**

- Developed a restaurant app with coupon and deal features to combat college student food insecurity
- Implemented secure APIs and authentication to protect user data
- Utilized Python Flask for backend development and React.js for frontend development

Assembler   **Jan 2023 - May 2023**

- Developed a robust E20 assembler in Python, showcasing expertise in software design and implementation
- Implemented bitwise operators and bitmasks for efficient and accurate conversion to machine code, ensuring secure and error-resistant programming