

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/Coding: Java, Python, C++, SQL, HTML, CSS, React.js, JavaScript, Next.js, Node.js

Tools/Skills: Object Oriented Programming, Data Structures & Algorithms, Computer Networking, OpenAI, Pinecone, RAG, GitHub, Stripe, Clerk, Firebase, MongoDB, Vercel, Netlify

EXPERIENCE

Apartment Maid, Brooklyn, NY

July 2024 - Present

Role: Fullstack Developer

- Develop a full-stack platform for a cleaning service booking system
- Engineer a responsive checkout system using Next.js, React, Stripe and MongoDB computing prices depending on service details, taxes, and discount code
- Implement an admin portal that keeps track of user interaction with the live site such as revenue, sales, and subscriptions
- Saw a revenue growth by 10%, leading to an increase of repeat business, as users were satisfied with service

Headstarter AI, Long Island City, NY

July 2024 - Present

Role: Software/AI Engineer, Product Manager

- Building 5 AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98 % accuracy as seen by 1000 users
- Developing projects from design to deployment with leading 4 engineering fellows using MVC design pattern
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, GIT and microservice patterns
- Attend weekly meetings with successful entrepreneurs and Hackathons

NYC Department of Consumer and Worker Protection, New York, NY

July 2023 - Nov 2023

Role: Automation Software Engineer, Quality Assurance Engineer

- 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

- 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
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RELEVANT PROJECTS

CollegeGenie

Aug 2024 - Aug 2024

- Developed a college assistance bot using OpenAI to assist aspiring applicants applying for college for the first time
- Utilized OpenAI, Clerk, Stripe, Next.js, React, MongoDB, and RAG
- Architected personalized college recommendations and real-time application tips

CodeFlash

Aug 2024 - Aug 2024

- Developed a flashcard system for technical interviews and exams
- Utilized Gemini, Clerk, Stripe, Next.js to generate unlimited flashcards
- Produced premium features which boosted user satisfaction and engagement

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