Tasmia Chowdhury

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EDUCATION

CUNY Hunter College   **Jan 2025 | New York, NY**
Bachelor of Arts: **Computer Science** *Minor:* **Applied Mathematics**

- ***Affiliations***: CUNY Tech Prep Fellow (Data Science & OSL), Girls Who Code (PR Lead), CodePath (Alum), Rewriting the Code (Member)
- ***Relevant coursework***: Data Structures & Algorithms, Operating Systems, Cybersecurity, Web Development

TECHNICAL SKILLS & CERTIFICATIONS

Languages: TypeScript, JavaScript, Python, HTML, CSS, SQL, C++
Frameworks & Libraries: React, Node.js, Django, Flask, Express.js
Tools & Platforms: Git, GitHub, AWS, Firebase, GCP, VS Code, PostgreSQL, Linux
Certifications: CodePath Intermediate Technical Interview Prep (Mar 2025 - May 2025)

RELEVANT EXPERIENCE

Halcyon Finance | Frontend Developer (Contract)   Remote | Jun 2025 - Present
- Spearhead frontend development of a fintech web3 platform as the sole engineer, owning state management and building responsive UIs with React, TypeScript, CSS Modules, GSAP, and Framer Motion.
- Collaborate with 3 founders to shape user flows, features, and deliver performant, accessible UI components.
- Engineer and integrate a multi-frame animation with AI-generated assets into a custom design system, boosting user engagement on a key landing page.

CUNY Tech Prep | Data Science & Open Source Labs Fellow   New York, NY **|** Jul 2024 - Jul 2025
- Contributed to an open-source Zoom attendance monitor built for CUNY Tech Prep using React, Express.js, PostgreSQL, GCP, and Zoom webhooks, reducing manual TA workload.
- Developed advanced filtering options to retrieve and analyze attendance data, improving usability for instructors.

Barclays | Data Engineering Intern   Hanover, NJ **|** Dec 2022 - Feb 2023
- Built an optimized credit score extraction tool using Python, reducing processing time by 30% by automating data pipelines and translating technical solutions into actionable insights for cross-functional stakeholders.
- Simplified stakeholder decision-making by enhancing financial trend analysis, developing dynamic Matplotlib visualizations.

PROJECTS

JetGenie   Hackathon Project | Feb 2025
- Developed a full-stack AI travel planner with React, Flask, and Firebase, featuring an animated UI, Google Calendar integration, and geo-aware experiences via the Google Maps API; demoed to a panel of 3 judges.
- Integrated Groq API for AI-generated activity suggestions and improved component architecture, boosting load performance by 20%.
- Conducted peer code reviews to ensure quality and consistency, reducing bugs and improving maintainability.

Hands 2 Words   Sep 2024 - Dec 2024
- Built an end-to-end full-stack web app that translates 9+ American Sign Language phrases to English in real time using a TensorFlow machine learning model, with a Django backend (independently developed) using REST APIs and Firebase for user progress tracking, enhancing digital accessibility; presented at final project showcase.
- Led a team of 5, assigning GitHub issues, setting up the development environment, and serving as liaison with the professor through weekly progress presentations.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Digital Girl, Inc. | Program Administrator & Lead Instructor   Brooklyn, NY | Jan 2018 - Sep 2024
- Created 21 adaptable lesson plans and taught 700+ K-12 students and senior citizens, enhancing programming and digital literacy in Python, HTML, JavaScript, Code.org, and Scratch.
- Trained and scheduled 30+ staff members to deliver engaging programming sessions, contributing to a 25% increase in participation in underserved areas through partnerships with 10+ schools and organizations.

Google | Software Engineering Fellow   New York, NY | Jul 2023 - Oct 2023
- Selected as 1 of 80 fellows from 350+ applicants for an intensive 12-week program focused on advanced data structures, algorithms, and system design.
- Solved 10+ LeetCode problems and participated in weekly mock technical interviews and code reviews, improving problem-solving speed, debugging, and technical communication skills.