

Tasmia Chowdhury

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EDUCATION

CUNY Hunter College

Dec 2024

- **Major:** Computer Science | **Minor:** Applied Mathematics
- **Coursework:** Data Structures & Algorithms, Operating Systems, Computer Theory, CyberSecurity, Big Data

RELEVANT EXPERIENCE

Google, New York, NY

Jul 2023 - Oct 2023

Software Engineering Fellow

- Selected as 1 of 80 fellows from over 350 applicants, enhancing algorithmic problem-solving skills through weekly DSA challenges and mentorship with a Senior Google SWE.
- Improved coding efficiency and technical communication by collaborating on mock interviews, whiteboarding sessions, and peer code reviews.

Barclays, Hanover, NJ

Dec 2022 - Feb 2023

Data Engineering Intern

- Optimized credit score extraction, reducing processing time by 30% and translating technical solutions into actionable insights for senior management.
- Led cross-functional daily Scrum meetings to foster collaboration and align with team objectives.
- Enhanced financial trend analysis with dynamic Matplotlib visuals, improving stakeholder insights.

Digital Girl Inc., Brooklyn, NY

Jan 2018 - Sep 2024

Program Administrator & Lead Instructor

- Developed 21 adaptable lesson plans for K-12 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.

PROJECTS

Hands 2 Words

Sep 2024 - Dec 2024

- Led a team of five in developing a full-stack web application that leverages computer vision to teach and translate ASL to English in real time.
- Engineered a seamless user experience by developing a **React** front-end and **Django** back-end, implementing REST APIs, and integrating **Firebase** to track user progress and personalize learning.
- Integrated a **pre-trained LSTM model**, built using **MediaPipe** and **TensorFlow**, into the **Django** backend by connecting the **.h5 model file**, enabling real-time gesture recognition and translation.

Blemish Bot

Oct 2024 - Dec 2024

- Co-developed, **fine-tuned**, and **deployed** a **YOLOv8** model on **Streamlit** to instantly classify six different types of acne from user selfies.
- Integrated an interactive chatbot using the **Gemini API** to provide personalized skincare advice based on model predictions.

SKILLS

Programming & Tools: C++, HTML, CSS, Python, JavaScript, Node.js, Express, Bash, Spyder, Git/GitHub, Adobe Photoshop, Figma, Unix, Linux, Tableau, MongoDB, Firebase, SQL, AWS, Neo4j

EXTRACURRICULAR EXPERIENCE

CUNY Tech Prep, New York, NY

Jul 2023 – Present

Data Science Fellow

- Selected for a competitive data science fellowship and developed Python projects while advancing skills in EDA, modeling, and machine learning.

Girls Who Code @HC, New York, NY

Aug 2023 - Aug 2024

Public Relations Manager

- Increased membership by 30% and grew social media following from 200 to 450 with Adobe Photoshop, Illustrator, and Instagram Reels.