

# Tasmia Chowdhury

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## EDUCATION

CUNY Hunter College

Graduated: Jan 2025

- **Major:** Computer Science | **Minor:** Applied Mathematics
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, CyberSecurity, Big Data
- **Extracurricular Activities:** CUNY Tech Prep Data Science Fellow, Girls Who Code Public Relations Manager

## TECHNICAL SKILLS & CERTIFICATIONS

**Certifications:** Asana Foundations Skills Badge, CodePath Intermediate Technical Interview Prep

**Languages:** Python, C++, JavaScript, SQL, HTML, CSS

**Frameworks & Libraries:** React, Node.js, Django, TensorFlow, Pandas, NumPy, Matplotlib

**Tools & Platforms:** Git, GitHub, VS Code, Firebase, MongoDB, PostgreSQL, AWS, Linux

## 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 5 in developing a full-stack web application that leverages computer vision to teach and translate ASL to English in real time, resulting in improved digital accessibility.
- Engineered a seamless user experience by developing a React front-end and Django back-end, implementing RESTful 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 classify 6 types of acne from user selfies.
- Integrated a chatbot using the Gemini API to provide personalized skincare advice based on model predictions.

## 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.