

Tasmia Chowdhury

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EDUCATION

CUNY Hunter College

Expected Graduation: Dec 2024

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

EXPERIENCE

CUNY Tech Prep, New York, NY

Jul 2023 – Present

Data Science Fellow

- Chosen for a competitive data science fellowship, developing projects with Python, Jupyter, and SQL while advancing skills in EDA, modeling, and machine learning.

Google, New York, NY

Jul 2023 - Oct 2023

Software Engineering Fellow

- Selected as one of 80 distinguished participants for a 10-week internship, engaging in real-world technical challenges alongside a Senior Google SWE via intensive mentoring sessions and workshops.
- Tackled intricate technical problems, honing problem-solving abilities and self-reliance to advance Data Structures and Algorithm efficiency skills.

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.

Girls Who Code @HC, New York, NY

Aug 2023 - Aug 2024

Public Relations Manager

- Increased membership by 30% and grew social media followers from 200 to 450 through campaigns and visuals created with Adobe Photoshop, Illustrator, and Instagram Reels, boosting engagement by 45%.

PROJECTS

[Hands2Words](#)

Sep 2024 - Dec 2024

- Led the development of a full-stack web app using 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.

[BlemishBot](#)

Dec 2024

- Fine-tuned a YOLOv8 model on a 3,000-image dataset to detect 6 acne types and optimized a chatbot to automate acne diagnosis and provide personalized skincare advice.

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

LANGUAGES

Bilingual: English and Bangla.