Tasmia Chowdhury

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EDUCATION

CUNY Hunter College *Dec 2024*
- **Major:** Computer Science | **Minor**: Applied Mathematics
- **Relevant Coursework**: Data Structures & Algorithms, Operating Systems, CyberSecurity, Big Data

SKILLS

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 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 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.

Girls Who Code at Hunter College, 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.