

TAMANNA CHOWDHURY

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EDUCATION

LAGUARDIA COMMUNITY COLLEGE, Manhattan, NY

August 2025 - Present

Data Analysis

HUNTER COLLEGE, Manhattan, NY

May 2025

B.A. | Computer Science

SKILLS

- **Technical Skills:** Python, SQL (PostgreSQL, SQL Server), Excel, R (basic), C++, C, Java, Go, Node.js, AWS, CI/CD, Git, Snowflake, Docker, GCP (BigQuery, Pub/Sub, DataProc, Composer)
- **Frameworks & Tools:** Tableau, PowerBI, React, TensorFlow, Azure, Figma, UNIX/Linux
- **Certification:** Machine Learning Cornell University, Google Foundations of Project Management
- **Languages:** Bengali (native), Hindi (intermediate), Spanish (beginner)

EXPERIENCES

Hunter College, New York

February 2024 - Present

Teaching Assistant

- Assisted students in understanding and completing Data Structures coursework, contributing to an **80% class** pass rate through one-on-one support and clarification of complex concepts

New York Academy of Science, New York

April 2025 - May 2025

Data & Program Support

- Collected, reviewed, and **organized** participant data to ensure accuracy and completeness for reporting to funders and stakeholders
- Created structured workflows in **Excel and Python** to streamline data entry and reduce reporting errors by 40%
- Managed incoming technical support requests using **Freshdesk** and **JIRA**, ensuring timely ticket resolution, tracking, and documentation in line with service level expectations

Headstream, New York

January 2025 - May 2025

Software Engineer

- Collaborated on issue tracking, sprint planning, and bug resolution in **JIRA** to support accurate reporting and feature delivery
- Used **Docker**, **Git**, and **CI/CD** pipelines to deploy and scale services in a multi-developer environment

Latitude AI, New York, NY

August 2024 - December 2024

Data Engineer Intern

- Optimized autonomous vehicle perception models using **Python and CUDA**, and applied cloud-based infrastructure and containerization tools to support scalable deployment and monitoring
- Accelerated training pipeline efficiency, reducing compute time by **20%**, leading to **5x faster** model iterations
- Improved preprocessing workflows to boost accuracy and reduce latency of large-scale vehicle data analysis by 35%

Federal Deposit Insurance Corporation (FDIC), Washington, DC

June 2024 - August 2024

Data Engineer

- Conducted financial data matching and reconciliation using **Python and SQL Server**, improving data access efficiency by **30%** and enhancing accuracy in federal regulatory reporting
- Built a centralized **cloud-based** data glossary to standardize financial terminology across departments, reducing redundancy and improving cross-functional communication

Mastercard, New York, NY

December 2022 - January 2023

Software Engineer

- Automated the transfer of updates from **Rally to PowerPoint** using a **REST API-driven** solution, saving **100+ hours** of manual effort and streamlining cross-functional reporting
- Designed and implemented a website feature that boosted customer interaction by **20%** through iterative feedback

PROJECTS

WiDS-AI-for-Female-Brain-Health

January 2025 - May 2025

- Built predictive models using brain connectome data, achieving **0.70 accuracy** for early detection of Alzheimer's and Parkinson's
- Led data prep and feature engineering across **multi-source datasets**, improving model performance and interpretability