SADIA SHARMIN

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EDUCATION

Queens College, City University of New York **Flushing, NY**

B.S. in Computer Science, Computational Linguistics Minor Expected Graduation May 2026

▪ GPA: 3.6/4.0, Freshman Honors Program, Dean's List Fall 2022, Spring 2023, Spring 2024, Fall 2024

Cornell University, Machine Learning Foundations Certificate May 2024 - Aug 2024

Relevant Coursework: Object-Oriented Programming, Discrete Structures, Data Structures, Linear Algebra, Probability, Machine Learning, Natural Language Modeling, Data Cleaning

PROFESSIONAL EXPERIENCE

United Nations International Computing Centre (UNICC)

AI Studio Fellow Aug 2024 - Dec 2024

- Collaborated with a team to create an OpenAI-enabled bot platform to aid policymakers and researchers in extracting information from the United Nations Economic Commission for Europe (UNECE) PDF documentation and library.
- Trained an open-source LLaMA model to parse text from the PDF documents and generate accurate responses based on the inputted question. Utilized Google Colab and Hugging Face for model creation.

PROJECTS

Halal Bytes, https://devpost.com/software/halal-bytes Nov 2024

- Developed during the Hack Knight hackathon as a project to connect users to halal-certified food options nearby. Created using Android Studio, Firebase, Kotlin, Google Maps API, Google Places API, and Figma. Won Best Beginner Hack at the hackathon.

Income Prediction Model, https://github.com/ssharmin28/BTT-Projects Aug 2024

- Developed and tested a machine learning model using logistic regression to predict income levels based on a census dataset.
- Utilized Python's scikit-learn, seaborn, and matplotlib libraries to visualize the dataset, prepare and train the model, and tune hyperparameters. Achieved 80% accuracy on a dataset of over 30,000 individuals.

Date Sorter Oct 2023 - Dec 2023

Object-Oriented Programming in Java

- Created a series of Java projects to read dates from a text file and present them in chronological order on a graphical user interface (GUI).
- Implemented superclasses, LinkedLists, ArrayLists, and exceptions to filter, store, and display dates.

SKILLS

- **Programming Languages:** Java, Python, C++
- **Libraries and Tools:** Pandas, scikit-learn, NumPy, seaborn, matplotlib, Jupyter Notebook
- **Certifications:** Google IT Support Professional Certificate

LEADERSHIP EXPERIENCE

Break Through Tech, *Fellow* May 2024 - Present

- Selected from 3,000+ applicants as a participant in a 12-month long program to complete Machine Learning coursework with Cornell faculty, experiential learning experiences, and mentorship.