Gurleen Kaur

NYC, NY | P: (347)-863-4560 | kgurleen.gk23@gmail.com / gk325@cornell.edu

EDUCATION

Cornell University   **Ithaca, NY**

Bachelor of Science in Computer Science   May 2025

- **Relevant Coursework: Intro. to Machine Learning**, Object Oriented Programming & Data Structures, Functional Programming, **Intro. to Data Science**, Computer System Organization, **Foundations of AI**, **Linear Algebra**, **Statistics**
- **GPA:** 3.75 / 4.0   **Honors:** Deans List (all semesters)

RELEVANT EXPERIENCE

Incoming Software Development Intern at Amazon   05/2024 – 08/2024

PROJECTS

College Information Database   01/2021 – 05/2021

- Led a team in the development of a comprehensive database on ~100 U.S. colleges and application data from ~400 students.
- Served as the main programmer, creating and organizing the database using SQL on a Linux Virtual Machine and Conducted in-depth data analytics, presenting findings to peers.

Star Classification using Machine Learning   02/2022 – 05/2022

- Cleaned and organized data on 100,000 observed stars, including properties like photometric system filters, redshift, and coordinates.
- Developed machine learning models using PCA, KNN, and Logistic Regression, achieving a classification accuracy of 97.4%.

Uno – Card Game   02/2023 – 05/2023

- Developed a two-player Uno card game from scratch using OCaml, focusing on algorithm design, user interface development, and AI integration.
- Designed a terminal-based REPL for interactive user engagement and integrated an AI opponent, providing a challenging and dynamic gameplay experience for the human player.

VOLUNTEER & LEADERSHIP EXPERIENCE

Cornell Sikh Student Association   **Cornell University**

Vice President   01/2022 – Current

- Streamlined event sign-up and data collection by implementing online registration & feedback forms.
- Enhanced online visibility and appeal through creation of digital content using graphic design tools.
- Coordinated team efforts via Slack and managed project timelines and tasks using Trello for events.

River Fund – Front Line Poverty Center   **Richmond Hill, NY**

Volunteer   06/2019 – 04/2021

- Improved efficiency in item distribution, serving over 2,000 clients weekly.
- Contacting clients & data entry in other large projects.
- Maintaining facility by merchandising, sorting, & distributing items.

TECHNICAL SKILLS

Software: Autodesk, Multisim, Microsoft, MacOS/Windows, Linux, Command Line Interface, Microsoft Office, Git, VSCode, RStudio, Slack, Trello
Languages: English, Fluent in Punjabi, Conversational Proficiency in Hindi
Technical Skills: Java, Python, Bash, OCaml, R, Analog Design, C, SQL, PyTorch, Tensorflow