

# TENZIN CHOEZOM

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<https://cherry-code.github.io>

## EDUCATION

### **City College of New York (CCNY), City University of New York (CUNY)**

Bachelor of Computer Engineering | GPA: 3.8/4.0 | Math Minor

Relevant Coursework: Algorithms, Data Structures, Electrical Circuits, Switching System, Software Design Lab, Operating Systems

New York, NY

Expected May 2025

### **Cornell University, Online Certificate in Machine Learning Foundations**

Aug 2023

## PROJECTS

### **Customer Experience Machine Learning Model, Verizon**

Oct 2023 - Dec 2023

- Collaborated with 4 other team members to develop a machine learning model that will allow Verizon to decide in which areas of the United States they need to further develop their network
- Used data from various sources, including government sources, and practiced data cleaning using Python to make it suitable to use for the model

### **Book Review Classification Model**

Aug 2023

- Developed a machine learning model that classifies book reviews using textual data as either Positive Review or Negative Review
- Implemented Decision Tree, Random Forest Classification, Gradient Boosting Decision Tree, and Neural Networks using Python, scikit-learn, Numpy, Pandas and Tensorflow with a validation AUC of 67%, 90%, 88%, and 91% respectively.
- Practiced natural language processing to tokenize the textual data using Term Frequency - Inverse Document Frequency (TF-IDF) and validated models using Random Search and Grid Search

## EXPERIENCE

### **Alvarado Lab, CUNY Tech Prep**

New York, NY

Data Science Researcher

Mar 2024 – Apr 2024

- Achieved a DICE score of 0.96 on a machine learning model, predicting color change in fish segments
- Developed a video processing pipeline by writing code to segment videos into frames to allow for the adaptation of the model from static images to dynamic video analysis

### **CUNY Tech Prep**

New York, NY

Full Stack Fellow

Jul 2023 – Present

- Selected for a competitive web development fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as React, Node + Express, and PostgreSQL
- Participate in weekly courses and learn industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD

### **BreakThrough Tech AI**

New York, NY

Data Science in Machine Learning

Jun 2023 – Present

- Selected from 1500+ applicants to participate in the BreakThrough Tech AI Program at Cornell Tech.
- Achieved basic understanding of machine learning through a 10-week Machine Learning foundations course on machine learning algorithms such as Decision Trees, Neural Network, Regression Models, etc.
- Participated in a 12-month long program, including Machine Learning coursework with Cornell faculty, experiential learning experiences, and mentorship from industry professionals.

## SUPPORTING EXPERIENCE

### **All Star Studios**

Queens, NY

Desk Staff

Jul 2022 – Present

- Assisted customers by using an online portal to schedule classes, pay their fees, send situation-appropriate emails
- Assumed responsibility of opening, organizing, and closing the business daily

## SKILLS

**Programming:** C++, HTML, CSS, Python, Jupyter Notebook, Machine Learning Algorithms, Natural Language Processing (NLP), Data Science

**Spoken Languages:** Tibetan, Korean, Hindi