

# ISHAN ISLAM

New York, NY | 917-704-9543 | ishanislam13@gmail.com | [LinkedIn](#) | [Github](#) | [Website](#)

## EDUCATION

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### LONG ISLAND UNIVERSITY

*BS in Computer Science*

**New York, NY**

August 2022-May 2026

- Cumulative GPA: 3.68 | Presidential Scholar
- Vice President, Computer Science Club ([liucs.liucscs.us](https://liucs.liucscs.us))

## EXPERIENCE

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### BREAK THROUGH TECH

*AI and Machine Learning Fellow*

**New York, NY**

2025 Cohort

- Engaging in an intensive Machine Learning Foundations Curriculum
- Working with industry-relevant tools to analyze real-world datasets and develop data science projects.
- Participating in AI Studio and Portfolio Development, solving real-world ML challenge projects under the guidance of academic and industry experts.
- Receiving mentorship and career coaching, collaborating with industry professionals on case studies, skill-building simulations, and personalized feedback sessions.

### GOOGLE DEVELOPER GROUP

*Google Developer Group Vice President, Long Island University*

**New York, NY**

2023-2024

- Streamlined student onboarding by automating email invitations through SMTP
- Secured hundreds of dollars in scholarships from BWOSS for club members, enabling them to obtain Google Career Certificates at no cost
- Partnered with Major League Hacking to host successful hackathons with over 20 attendees.
- Developed the official LIUCS website from scratch using Python, Flask, SQLAlchemy and web development technologies (HTML, CSS, JavaScript, SCSS)

### TIKTOK VIDEO CLASSIFICATION | [GITHUB](#)

*Lead Data Scientist (Project)*

**New York, NY**

2024

- Eliminated 100% of inaccuracies in media details through data cleaning with the Python data stack (Pandas and Numpy)
- Developed a classification model, using to predict whether TikTok video transcriptions were claims or opinions, based on text features
- Tuned hyperparameters for Random Forest and XGBoost classifiers using GridSearchCV, optimizing for recall
- Preprocessed text data by extracting numerical features using CountVectorizer
- Evaluated model performance through classification reports, confusion matrices, and feature importance plots, achieving strong recall and precision.

### WAZE REGRESSION ANALYSIS | [GITHUB](#)

*Lead Data Scientist (Project)*

**New York, NY**

2024

- Developed a logistic regression model to predict user churn based on driving behavior and app usage metrics
- Cleaned and processed the dataset by handling missing values, scaling features, and capping outliers.
- Through exploratory data analysis (EDA), including correlation heatmaps and descriptive statistics, I gained insights into the data.
- Built and optimized a logistic regression model, evaluating its performance with metrics like precision, recall, F1-score, and a confusion matrix
- Created visualizations to determine results

## SKILLS

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- Technology: SQL, Python, SQLAlchemy, Pandas, Numpy, Matplotlib, Seaborn, PowerShell, Scikit-Learn
- Software: Tableau, PowerBI, Microsoft 365 (Excel, Word, Powerpoint, etc.), Anaconda, JupyterLab
- Strategies: Problem Solving, Communication, Teamwork, Analytic Thinking, Adaptability, Time Management
- Certifications: [Machine Learning](#), [Regression Analysis](#), [Power of Statistics](#), [Foundations of Data Science](#), [Translate Data Into Insights](#)