

ISHAN ISLAM

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EDUCATION

LONG ISLAND UNIVERSITY

BS in Computer Science

New York, NY

August 2022-May 2026

- Cumulative GPA: 3.7 | Presidential Scholar
- Vice President, Computer Science Club (liucs.liucscs.us)

EXPERIENCE

GOOGLE DEVELOPER GROUPS

New York, NY

Google Developer Group Vice President, Long Island University

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](#)

New York, NY

Lead Data Scientist

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.
- The final model was deployed on test data, where the Random Forest model provided key insights into feature importance.

WAZE REGRESSION ANALYSIS | [GITHUB](#)

New York, NY

Lead Data Scientist

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

LIGHTNING STRIKE ANALYSIS AND GEOLOGICAL MAPPING | [TABLEAU PUBLIC](#)

New York, NY

Lead Data Scientist

2024

- Developed an interactive Tableau dashboard to analyze the frequency, intensity, and patterns of lightning strikes across various geographical regions
- Integrated geological maps to overlay environmental features such as elevation, vegetation, and proximity to water bodies, correlating them with lightning activity.
- Utilized advanced Tableau functionalities, including calculated fields, filters, and parameters, to enable real-time data exploration and hypothesis testing.
- Presented findings on lightning-prone areas, offering actionable insights for disaster preparedness and risk management strategies.

SKILLS

- Technology: SQL, Python, SQLAlchemy, Pandas, Numpy, Matplotlib, Seaborn, PowerShell
- Software: Tableau, PowerBI, Microsoft 365 (Excel, Word, Powerpoint, etc.), Anaconda
- 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](#)