

# ISHAN ISLAM

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## EDUCATION

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### LONG ISLAND UNIVERSITY

*BS in Computer Science*

**New York, NY**

Sept 2022 - Dec 2025

- *Cumulative GPA: 3.69* | Presidential Scholar
- *Vice President, Computer Science Club* ([liuclub.liucscs.us](http://liuclub.liucscs.us))
- *Vice President, Google Developer Group*

## EXPERIENCE

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### ACCENTURE

*AI and Machine Learning Fellow*

**New York, NY**

*Aug 2025 - Dec 2025*

- Contributing to a fake news classification project, developing NLP pipelines and deep learning models to detect misinformation across large-scale datasets
- Implement and fine-tune supervised learning models using scikit-learn, TensorFlow, and PyTorch, achieving measurable improvements in accuracy and precision.
- Design data visualization dashboards with Python and Tableau to communicate model insights and performance metrics to both technical and non-technical stakeholders
- Assist in optimizing end-to-end ML workflows, including data cleaning, model training, hyperparameter tuning, and deployment in test environments.
- Analyzed complex, unstructured datasets in a scientific-style workflow, using Python, Pandas, and ML models to derive insights and support decision-making
- Applied data analytics and statistical reasoning to classification, experimentation, and model evaluation, foundational skills used in scientific informatics

### BREAK THROUGH TECH

*AI and Machine Learning Fellow*

**New York, NY**

*Jun 2025 - Present*

- Collaborate in cross-functional teams to design and implement machine learning solutions addressing real-world data challenges.
- Conduct exploratory data analysis (EDA) to identify patterns, feature relationships, and potential predictive signals.
- Engineered structured features from raw datasets to improve model interpretability and performance.
- Build and evaluate supervised learning models using classification and regression techniques under industry mentorship.
- Present analytical findings and model insights to peers and industry professionals in structured technical reviews.
- Apply statistical reasoning and experimentation frameworks to evaluate model effectiveness and business relevance.

## PROJECTS

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### FAKE NEWS CLASSIFICATION MODEL

*Lead Data Scientist*

**New York, NY**

*Dec 2025*

- Developed text classification models using TF-IDF feature extraction and logistic regression.
- Preprocessed and vectorized large-scale news datasets for binary misinformation detection.
- Evaluated model performance using precision, recall, and F1-score metrics.
- Demonstrated ability to extract structured insights from unstructured textual data.

### SPOTIFY BREAKOUT POTENTIAL ANALYSIS

*Lead Data Scientist*

**New York, NY**

*Feb 2025*

- Engineered a popularity gap and engagement efficiency metrics using Spotify track and artist metadata.
- Applied logarithmic transformation and feature scaling to stabilize high-variance follower data.
- Implemented K-Means clustering to segment artists into emerging, established, and underperforming tiers.
- Interpreted segmentation results to simulate quantitative A&R-style talent discovery.

## SKILLS

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- **Technology:** SQL, Python, SQLAlchemy, Pandas, Numpy, Matplotlib, Seaborn, PowerShell, Scikit-Learn, LLMS
- **Software:** Tableau, Power BI, Microsoft 365 (Excel, Word, PowerPoint, etc.), Anaconda, JupyterLab
- **Strategies:** Problem Solving, Communication, Teamwork, Analytic Thinking, Adaptability, Time Management
- **Core Skills:** Statistical Modeling, Data Analysis, Machine Learning, Feature Engineering, Model Evaluation
- **Certifications:** [Break Through Tech ML Certificate](#), [Machine Learning](#), [Regression Analysis](#), [Power of Statistics](#), [Foundations of Data Science](#), [Translate Data Into Insights](#)