

ISHAN ISLAM

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EDUCATION

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 (lioclub.liucscs.us)
- Vice President, Google Developer Group

EXPERIENCE

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

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

- 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](#)