

# Jainish Shingala

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## EDUCATION

### Indiana University

Master of Science in Data Science | GPA: 3.86

Coursework: Statistics, Applied Machine Learning, Data Visualization, Database Design.

Bloomington IN, USA

August 2022–May 2024

## SKILLS

- **Programming Languages:** Python, R, SQL, Linux, HTML, CSS, JavaScript
- **Packages:** Scikit-Learn, NumPy, Pandas, Matplotlib, Plotly, Seaborn, SciPy, TensorFlow, PyTorch, Keras, OpenCV
- **Tools:** Tableau, Power BI, Docker, Streamlit, Git, Jupyter Notebook, Adobe Creative Suite
- **Statistics:** Descriptive Statistics, Inferential Statistics (Hypothesis Testing, Confidence Intervals, and P-values)
- **Certifications and Courses:** AWS Certified: Solutions Architect Associate, ChatGPT for Prompt Engineering

## PROFESSIONAL EXPERIENCE

### DeveloperDB

Data Science Intern

Sunnyvale CA, USA

June 2023–August 2023

- Worked on end-to-end data science lifecycle including data pre-processing, feature engineering, exploratory data analysis, and predictive analytics. Implemented ML data pipeline for effective employee churn prediction leveraging advanced techniques such as GPT API prompts to transform unstructured text data.
- Employed Cox regression and Kaplan-Meier survival analysis for predictive insight achieving 97% c-index. ~OpenAI API, Survival Regression

### Infosys Limited

System Engineer – LAMP Stack Developer

Pune MH, India

August 2021–August 2022

- Developed custom web applications using LAMP stack technologies, engaging with clients to address specific needs. Worked on MySQL database, optimized queries, and ensured data integrity. Developed front-end user interfaces using HTML, CSS, and JavaScript, ensuring a seamless user experience.

### Futuristixhub LLP

Data Analytics Intern

Ahmedabad GJ, India

June 2021–August 2021

- Collaborated with stakeholders to identify data requirements and goals, performed ETL processes to collect and preprocess data. Conducted EDA and utilized machine learning techniques to build predictive models, achieving 79% accuracy in prediction through hyperparameter tuning. ~Regression, Random Forest, SVM
- Streamlined reporting processes by leveraging Tableau, providing real-time KPI tracking to stakeholders, enabling faster data-driven decision making.

## SELECTED PROJECTS

### Illuminating New York's Artistic Landscape: A Visual Expedition

- Led a winning entry in the Fall'23 CCA Data Visualization Contest. Employed Power BI dashboard offering insights into CRNY's impact on diverse applicants, enrollment dynamics, and survey responses.

### SQLScribe: Translating English into SQL Queries

- Designed SQLScribe, a user-friendly tool that translates English natural language questions into SQL queries, enabling business users to independently analyze data without needing IT assistance. ~LangChain, HuggingFaceHub

### Credit Card Fraud Transaction Detection

- Developed an algorithm that identifies the potential fraudulent use of credit cards with 92% F1-score in the payment environment. ~XGBoost, CatBoost, Random Forest, PCA

## EXTRA-CURRICULAR ACTIVITIES

**Graduate Teaching Assistant** (January 2023 - Present) | **Research Assistant** (December 2023 - Present) | **Data Analyst** at Indiana Public Media (July 2023 - November 2023)