

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. ~Generative AI, 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

Bank Customer Churn Analysis

- Conducted a comprehensive analysis of bank customer churn, identifying key factors and providing actionable recommendations to enhance retention and satisfaction, leading to improved business outcomes. ~Tableau

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.

YouTube Comments Analyzer

- Created a Streamlit web app employing Google API for data scraping, TextBlob for sentiment analysis, & Generative AI API for tailored response suggestions catering to the specific content of video creators. Orchestrated MLOps pipeline with AWS ECS & EC2 for optimal scalability & accessibility.

EXTRA-CURRICULAR ACTIVITIES

Data Analyst at Indiana Public Media (July 2023-November2023) | **FIPI PDEU Student Chapter** – Secretary (2020-21), Graphic Designing Head (2019-20) | **Graduate Teaching Assistant** (Jan 2023 - May 2023)