

Jainish Shingala

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EDUCATION

Indiana University

Master of Science in Data Science | GPA: 3.78

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, Beautiful Soup, TensorFlow, PyTorch, Keras, OpenCV
- **Tools:** Tableau, Power BI, Docker, Streamlit, Jupyter Notebook, Adobe Creative Suite
- **Certifications and Courses:** AWS Certified: Solutions Architect Associate, Apache Spark with Scala, Lean Six Sigma Green Belt, ChatGPT Prompt Engineering for Developers

PROFESSIONAL EXPERIENCE

DeveloperDB

Data Science Intern

Sunnyvale CA, USA

June 2023–August 2023

- Worked on end-to-end data science lifecycle encompassing data preprocessing, Exploratory Data Analysis (EDA), and model development. Created survival regression models for accurate employee churn prediction, employing sophisticated techniques such as GPT API prompt engineering and TFIDF for effective preprocessing of textual data.
- Employed Cox regression and Kaplan-Meier survival analysis methods for robust predictive insights.

Infosys Limited

System Engineer – LAMP Stack Developer

Pune MH, India

August 2021–August 2022

- Developed custom web applications using the LAMP stack technology for clients. 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

- Worked on data collection, data pre-processing, exploratory data analysis, machine learning model building, and evaluation process for clients' feature data. Built a predictive model with 79% accuracy for price prediction with hyperparameter tuning. Also collaborated with stakeholders and provided valuable insights developed using Tableau to support data-driven decision-making.

SELECTED PROJECTS

YouTube Comments Analyzer

- Employed Google API for seamless data scraping, Text Blob for sentiment analysis, and GPT API for generating tailored response suggestions catering to the specific content of video creators.
- Orchestrated MLOps pipeline to ensure efficient deployment and management of the interactive Streamlit web app on AWS ECR and ECS. ~Sentiment Analysis, Web Scraping, MLOps, OpenAI Key.

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.

Credit Card Fraud Transaction Detection

- Developed an algorithm that identifies the potential fraudulent use of credit cards with 99.96% F1-score in the payment environment. ~Handled Imbalanced Dataset, Data Analysis, Random Forest, XGBoost.

EXTRA-CURRICULAR ACTIVITIES

FIPI PDEU Student Chapter – Secretary (2020-21), Graphic Designing Head (2019-20) | Graduate Teaching Assistant

(Jan 2023 - May 2023) | Rural Internship - (June 2018)