Jainish Shingala

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EDUCATION

Indiana University	Bloomington IN, USA
Master of Science in Data Science | GPA: 3.78	*August 2022–May 2024*

Coursework: Statistics, Applied Machine Learning, Applied Algorithms, Database Design.

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, Git, Spark, 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	Sunnyvale CA, USA
Data Science Intern	*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 GPT API prompts and TFIDF for effective preprocessing of textual data. ~Cox Regression, Kaplan-Meier Survival Analysis, NLP, Generative AI

Infosys Limited	Pune MH, India
System Engineer – LAMP Stack Developer	*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	Ahmedabad GJ, India
Data Analytics Intern	*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. Also leveraged Tableau to support data-driven decision-making for clients. ~Regression, Random Forest, SVM

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

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 within the payment environment. *~Feature Engineering, Hyperparameter Tuning, XGBoost*

EXTRA-CURRICULAR ACTIVITIES

FIPI PDEU Student Chapter – Secretary (2020-21), Graphic Designing Head (2019-20) | Graduate Teaching Assistant (Jan 2023 - May 2023) | Volunteering Experience - Rural Development & Awareness - (June 2018)