

# Jainish Shingala

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## EDUCATION

### Indiana University

Master of Science in Data Science | GPA: 3.78

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

Bloomington IN, USA

Aug 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, Git, Jupyter Notebook, Adobe Creative Suite
- **Certifications and Courses:** AWS Certified: Solutions Architect Associate, Lean Six Sigma Green Belt, Apache Spark with Scala, ChatGPT Prompt Engineering for Developers

## PROFESSIONAL EXPERIENCE

### DeveloperDB

Data Science Intern

Sunnyvale CA, USA

Jun 2023–Aug 2023

- Collaborated with a 5-member team to execute end-to-end data science lifecycle including data pre-processing, Exploratory Data Analysis (EDA), and predictive analytics.
- Implemented ML data pipeline collaborating with a cross-functional team, leveraging advanced techniques such as GPT API prompts, and TFIDF, to transform unstructured text data, resulting in a 40% reduction in processing time and a 15% increase in data accuracy.
- Developed machine learning models, including Cox regression and Kaplan-Meier survival analysis, achieving 97% concordance index, and presented actionable insights based on model results to higher management.

### Infosys Limited

System Engineer – LAMP Stack Developer

Pune MH, India

Aug 2021–Aug 2022

- Developed custom web applications using HTML, CSS, and JavaScript; engaging with clients to address specific needs. Optimized MySQL database queries, resulting in enhanced data integrity and a seamless user experience.
- Implemented CI/CD pipelines to automate the build, test, and deployment processes, streamlining the software delivery pipeline and enhancing development efficiency.

### Futuristixhub LLP

Data Analytics Intern

Ahmedabad GJ, India

Jun 2021–Aug 2021

- Collected data from MySQL database server, executed ETL processes, and performed EDA for insightful data processing. Built a predictive machine learning model with 79% accuracy leveraging cross-validation techniques and hyperparameter tuning.
- Streamlined reporting processes by leveraging Tableau, providing real-time KPI tracking to stakeholders, which reduced manual analysis time by 75%, enabling faster data-driven decision making.

## SELECTED PROJECTS

### YouTube Comments Analyzer

- Employed Google API for seamless data scraping, Text Blob for sentiment analysis, and GPT API to generate tailored response suggestions for video creators. Orchestrated an MLOps pipeline for efficient deployment of the interactive Streamlit web app on AWS ECS and EC2. ~Sentiment Analysis, Web Scraping, MLOps.

### Bank Customer Churn Analysis

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

## EXTRA-CURRICULAR ACTIVITIES

- Directed 60+ events, workshops, and social initiatives as Secretary of the FIPI PDEU Student Chapter, managing a team of 70 members to strengthen industry-academia ties.
- Volunteered with Khamir NGO for 21 days, engaging with rural communities, and identifying development opportunities, and mapping traditional craftsmanship skills.