MOULIK ZINZALA

SURAT,GUJARAT | moulikzinala912@gmail.com | LinkedIn | Portfolio | GitHub

Aspiring Data Scientist with a strong foundation in Python, SQL, and data analysis. Experienced in working with libraries like pandas, NumPy, and scikit-learn to extract insights and build predictive models. Passionate about leveraging data-driven solutions to solve real-world problems and continuously eager to learn new technologies and techniques.

PROJECTS

Here are some of my projects There are many of them Please give a visit to my github for my Projects.
Here's your Power BI project write-up in the standardized format:

Power BI | Customer Retention | GitHub Link |

- **Developed** a dynamic Customer Retention Dashboard in Power BI to analyze customer behavior and churn trends effectively.
- **Integrated** datasets containing customer demographics, subscription details, billing patterns, and support interactions to identify key factors influencing customer retention.
- **Designed** interactive visuals and filters, enabling stakeholders to drill down into customer metrics for actionable insights.
- **Empowered** data-driven decision-making by highlighting churn drivers, improving loyalty strategies, and optimizing retention campaigns.
- **Streamlined** the data preparation process using Power Query for efficient transformation and modeling of raw data.

Machine Learning | Network Security Detection | **GitHub Link**

- Developed an end-to-end machine learning project to detect phishing websites, focusing on efficient data ingestion, transformation, validation, and modeling processes.
- Designed a robust pipeline that automates artifact creation, including preprocessor.pkl and model.pkl, ensuring seamless prediction of website authenticity.
- Integrated MongoDB for structured data storage and retrieval, enabling streamlined data handling and preprocessing.
- Implemented modular YAML configuration for structured pipeline decoding, ensuring flexibility and ease of management.
- Trained and evaluated multiple machine learning models using GridSearchCV, achieving optimal performance with metrics like precision and recall scores.
- Built custom utilities for exception handling (exception.py) and dynamic logging (logging.py), enhancing debugging and runtime traceability.
- Validated data consistency and quality with preprocessing techniques, ensuring model input accuracy and reliable predictions.

Python | Jarvis Bot | GitHub Link

- **Developed a Python-based chatbot, Jarvis, designed for seamless user interaction and task execution.**

- **Engineered an intuitive interface without leveraging NLP, using structured logic and conditional workflows to handle diverse user queries.**
- **Implemented modular functionalities, allowing the bot to perform tasks such as answering questions, providing information, and executing basic commands.**
- **Designed a robust system for user input validation and error handling, ensuring smooth functionality and adaptability.**
- **Integrated dynamic logging to track user interactions and bot performance for enhanced debugging and analytics.**
- **Optimized the bot's responsiveness and scalability, ensuring reliable performance in diverse use cases.**

EDUCATION

2024-2027

Bachelor Of Computer Science | UKA Tarsadia University | BV Patel Institute of Computer Science

Active Member of University's Data Science Society

- Relevant coursework: Machine Learning, Data Analysis, and Statistical Modeling

SGPA : 8.65

SKILLS

- Python
- Explantory Data Analysis
- MySQL
- MySql
- Predictive modeling
- Excel
- Power BI
- Machine Learning
- Advance Mathematics
- Statistical Anlaysis
- Communication
- Critical thinking and problem-solving

INTERESTS

Playing Chess,Football | Reading Books | Watching Documentary