Moulik Zinzala

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Profile

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.

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 a Phishing Website Detection ML Project:** Built an end-to-end machine learning pipeline for detecting phishing websites, incorporating efficient data ingestion, transformation, validation, and modeling.

- **Pipeline Automation:** Automated artifact creation (e.g., preprocessor.pkl and model.pkl) for seamless predictions, leveraging YAML configuration for flexible and structured pipeline decoding.

- **Database Integration:** Utilized MongoDB for efficient storage, retrieval, and preprocessing of structured data, ensuring streamlined data handling.

- **Model Training and Evaluation:** Trained and optimized multiple models using GridSearchCV, focusing on metrics like precision and recall to achieve optimal performance.

- **Utilities and Validation:** Designed custom utilities for exception handling (exception.py) and dynamic logging (logging.py) while validating data quality and consistency for accurate model 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.

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 and Interests

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

Activities and Interests

Playing Chess,Football | Reading Books | Watching Documentary | Hiking