

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.

COMPUTER VISION| VIRTUAL BOARDCASTER | [GITHUB LINK](#)

- DEVELOPED A PYTHON-BASED VIRTUAL WEBCAM TOOL USING OPENCV AND PYVIRTUALCAM TO BROADCAST VIDEOS OR IMAGES AS LIVE WEBCAM INPUT.

ENABLED USERS TO SEAMLESSLY SWITCH BETWEEN PRERECORDED VIDEOS AND STATIC IMAGES WITH COMMAND-LINE CONTROL AND LOOPING SUPPORT.

DESIGNED FOR VIRTUAL MEETINGS, CONTENT CREATION, AND ONLINE PRESENTATIONS ENHANCING USER INTERACTION AND CREATIVITY..

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

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| <ul style="list-style-type: none"> • Python • Explanatory Data Analysis • MySQL • Deep Learning • Predictive modeling • Excel | <ul style="list-style-type: none"> • Power BI • Machine Learning • Advance Mathematics • Statistical Anlaysis • Communication • Critical thinking and problem-solving |
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Activities and Interests

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