

RIZWAN VY

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Data Engineer | Data Analyst [linkedin/rizwanvy](https://www.linkedin.com/in/rizwanvy) | [github/rizwanvy](https://github.com/rizwanvy) | portfoliowebsite/rizwanvy

TECHNICAL SKILLS: Data Engineering | Data Analytics | Big Data | Data Extraction and Transformation | Data Pipeline
ETL | Big Data Technologies | Database Management | Data Warehouse | Data Visualization | Dashboard Creation.

TOOLS & TECHNOLOGIES: SQL | MySQL | Python | Power BI | Excel | Apache Hadoop | Apache Hive | Apache Airflow
Apache Spark - PySpark, Spark SQL | Amazon Web Service – AWS | Web Scraping | Linux | Git and Github.

EXPERIENCE

SOFTWARE DEVELOPER | GOFREELAB TECHNOLOGY

Ernakulam, Kerala | August 2023 - April 2024

- Collaborated with a team to develop an **Online Exam Proctoring Web Application**.
- Developed real-time webcam video and audio fetching functionality using **Python**, **WebRTC**, and **Streamlit**.
- Deployed the solution on Cloud **Amazon Web service AWS EC2** for public access.

PROJECTS

ETL, DATA ENGINEERING AND ANALYSIS OF SALES DATA USING BIG DATA TECHNOLOGIES

- Developed and implemented a **data pipeline** for **Extracting, Transforming and Loading, ETL** sales data, leveraging Big data technologies such as **Hadoop - HDFS, Hive and Spark** with **Spark SQL**.
- **Automated** the entire **ETL** process using **Apache Airflow** and Created an interactive sales **dashboard** using **Power BI**.

DATA COLLECTION, CLEANING, STORING AND ANALYSIS | BRITISH AIRWAYS VIRTUAL EXPERIENCE PROGRAM

- Developed and executed a **web scraping** script using **Python** to collect 3790 customer reviews from the Skytrax website. - **Cleaned** and preprocessed data using **Pandas**, and Performed sentiment analysis using **TextBlob**.
- **Stored** the processed data efficiently in a **MySQL database** for further analysis and retrieval.
- Conducted **data analysis** and **visualization** tasks using **Python** to derive actionable insights from the collected data.

EMPLOYEE DATA ANALYTICS AND VISUALIZATION USING PYTHON AND POWER BI

- Conducted in-depth analysis of HR data/Employee data to extract actionable insight.
- Utilized **Python** and **Python libraries** such as **Pandas, Matplotlib and Seaborn** for **data cleaning** and **processing** and to create informative visualizations. - Transformed project results into an interactive **Power BI dashboard**.

SENTIMENT ANALYSIS OF TWITTER DATA TWEETS USING PYTHON

- Analysed public sentiment on **Twitter** regarding specific keywords through **sentiment analysis**.
- Developed a **Python** scripts leveraging **Tweepy** for **data extraction**, retrieve tweets based on user defined keywords.
- Utilized **Text Blob** library for **sentiment analysis**, categorizing tweets into Positive, Negative and Neutral based on polarity scores and **visualized** results with informative bar charts and Word clouds.

EDUCATION

DIPLOMA IN BIG DATA ANALYTICS | Expertzlab Technology

Ernakulam, Kerala | August 2022 - May 2023

BACHELOR OF BUSINESS ADMINISTRATION | UNIVERSITY OF CALICUT

2018 - 2021

Human Resource Management | Nirmala College of Arts and Science

Chalakudy | Kerala

COURSEWORK & CERTIFICATIONS

Data Analytics Essentials CISCO | Applied Data Science with Python IBM | Certification in Advanced Excel – G Tec
Career Essentials in Business Analysis Microsoft and LinkedIn