

# RIZWAN V Y

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Data Engineer | Data Analyst

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TECHNICAL SKILLS: Data Engineering | Data Analytics | Big Data | Data Extraction | Data Transformation | Data Visualization |

Big Data Technologies | Data Pipeline | ETL | Database Management – DBMS | 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** using **Django**.
- Conducted client meetings, **gathered requirements**, and **documented** specifications.
- 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

DATA ENGINEERING AND ANALYSIS 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**. - Created an interactive sales **dashboard** using **Power BI**.

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 TWEETS USING PYTHON

- Analysed **public sentiment** on **Twitter** regarding specific keywords through **sentiment analysis**.
- Developed a **Python** scripts leveraging **Tweepy** for **data extraction** and Twitter API authentication to 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.

BRITISH AIRWAYS VIRTUAL EXPERIENCE PROGRAM

- Conducted **data extraction** using **web scraping** techniques from Skytrax Website and analysed the data using **Python** to gain insights into British Airways.
- Created **presentation** using **PowerPoint** to present insights garnered from the analysis to stakeholders.

## EDUCATION

DIPLOMA IN BIG DATA ANALYTICS | NACTET

Expertzlab Technology

August 2022 - May 2023

Ernakulam | Kerala

BACHELOR OF BUSINESS ADMINISTRATION | UNIVERSITY OF CALICUT

Human Resource Management | Nirmala College of Arts and Science

2018 - 2021

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