

# RIZWAN VY

Business Analyst | Data Analyst

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## LINKS

**Portfolio Website:** [//rizwanvy\\_portfolio](https://rizwanvy_portfolio)

**Linkedin:** [//linkedin.com/in/rizwan-vy](https://linkedin.com/in/rizwan-vy)

**Github:** [//github.com/rizwan-vy](https://github.com/rizwan-vy)

## SKILLS

- Data Analysis • Data Visualization
- Business Intelligence • Big Data
- Database Management • ETL
- Project Management
- Communication

### Tools & Technologies:

- Microsoft Excel • Python • SQL-MySQL
- Power BI • Tableau • AWS • Linux
- Hadoop • Spark • Hive • Airflow
- Web Scraping • Git and Github

## EDUCATION

### BACHELOR OF BUSINESS

#### ADMINISTRATION

Human Resource Management

#### UNIVERSITY OF CALICUT

Nirmala College of Arts and Science  
Chalakyad, Kerala | 2018 - 2021

### BIG DATA ANALYTICS

National Council for Technology  
and Training **NACTET**

Expertzlab Technologies, Ernakulam  
August 2022 - May 2023

## COURSEWORK

Data Analytics Essentials | **CISCO**

Data Analytics and Visualization  
SQL Microsoft Excel Tableau

Applied Data Science with Python | **IBM**

Python for Data Science  
Data Analysis with Python  
Data Visualization with Python

Certification In Advanced Excel

G-Tec Computer Education |  
Irinjalakuda | Kerala

## EXPERIENCE

### GOFREELAB TECHNOLOGIES | INTERNSHIP

August 2023 – Present | Ernakulam, Kerala

#### Online Exam Proctoring Web Application

- Developed **real-time webcam video** and **audio** fetching functionality using **Python**, **WebRTC** and **Streamlit**.
- Deployed solution on **AWS EC2** for public access, enabling users to stream video to the application.
- Implemented face detection feature using Python's OpenCV library for demo purposes, processing video streams in real-time.

## PROJECT

### 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 **HDFS**, **Hive** and **Spark** with **Spark SQL**.
- Automated the entire ETL process using **Apache Airflow**.
- Created an interactive **sales dashboard** in **Power BI**.

### HR Data Analytics and Visualization

- Conducted in-depth analysis of HR 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

- Analyzed public sentiment on Twitter regarding specific keywords through sentiment analysis.
- Employed **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.

## VIRTUAL INTERNSHIP

**British Airways Virtual Experience Program** | August 2023

- **Extracted data** from the **Skytrax website** using **Python**-based **web scraping** techniques to gather insights into British Airways.
- Conducted **sentiment analysis** on customer reviews to assess the overall sentiment towards British Airways.
- Visualized sentiment analysis results through **bar charts** and **word clouds**, highlighting key themes in customer feedback for better understanding.