

Umesh Iyer

Data Analyst | Python | SQL | Power BI

umeshiyer2@gmail.com • +44 7818 920674 • London, UK • [LinkedIn](#) • [GitHub](#)

PROFESSIONAL SUMMARY

Data Analyst with hands-on experience across the full analytics pipeline, building ETL workflows in **Python**, writing complex **SQL**, and **delivering BI dashboards in Power BI and Tableau**. Experienced in cutting processing time by up to 95% and reducing reporting errors through structured data validation. Comfortable working across data engineering, analysis, and reporting depending on team needs.

CORE SKILLS

Programming: Python (Pandas, NumPy), SQL (PostgreSQL, CTEs, Window Functions), R

Data Visualisation: Power BI (DAX, Power Query), Tableau, Excel (Pivot Tables, XLOOKUP, Dashboards)

Data Engineering: ETL/ELT Pipelines, Data Modelling, Data Warehousing, API Integration

Databases: PostgreSQL, MongoDB

Cloud & Tools: Google Cloud Platform (GCP), Git, GitHub

Statistics & Analysis: Exploratory Data Analysis (EDA), A/B Testing basics, Statistical Analysis, Data Modelling

EXPERIENCE

AI & Data Intern – YCX | Remote / London, UK

Apr 2025 – Aug 2025

- Engineered high-throughput Python ETL pipelines orchestrated via **n8n**, integrating multi-source datasets and reducing pipeline runtime by ~95% (**4 hrs → under 10 min**)
- Automated manual reporting workflows, cutting effort by **30%** and freeing the team to focus on analysis over data prep.
- Enforced automated data validation checks and consistency rules across ingested datasets, cutting downstream reporting errors by 25% and improving data reliability for business stakeholders.
- Scheduled and synchronised dataset refresh via **Google Sheets API**, collaborating with cross-functional stakeholders to translate business requirements into structured, query-ready datasets.

PROJECTS

E-Commerce Sales Analysis | *Power BI | DAX | Python | SQL*

- Designed and built an end-to-end analytics pipeline for 10K+ sales records, identifying revenue trends, customer behaviour patterns, and product performance metrics.
- Developed an interactive Power BI dashboard using DAX and Power Query to track KPIs including revenue, profit margin, and average order value (AOV), improving reporting efficiency by 25%.

Event-Driven Public Sentiment Analysis (UK) | *Python | VADER NLP | Power BI*

- Built an end-to-end sentiment analysis pipeline **using Python** and VADER to monitor and quantify public sentiment shifts around UK policy events (Energy Price Guarantee), processing and cleaning unstructured text at scale.
- Generated **daily sentiment KPIs** from cleaned text data and visualised trends and key drivers via an interactive Power BI dashboard, enabling event-level analysis for stakeholders.

British Airways Customer Review Analysis | *Tableau | Data Blending | Analytics*

- Designed an **interactive Tableau dashboard** analysing customer satisfaction across multiple service dimensions (seat comfort, entertainment, geographic region), using calculated fields, parameters, and data blending to surface key drivers of low ratings.
- Analysed **1,000+ customer reviews** and delivered actionable, stakeholder-ready insights that directly supported service improvement initiatives and enhanced reporting transparency.

EDUCATION

MSc Artificial Intelligence (Merit)

Sep 2024 – Sep 2025

Queen Mary University of London, London, UK

Relevant Coursework: Machine Learning, Statistical Methods, Big data Systems, AI

BSc Computer Science (Merit)

Jun 2021 – May 2024

SIES College of Science, Commerce and Arts, Mumbai, India

CERTIFICATIONS

- Business Intelligence with Power BI and Tableau – Udemy (2024)
- SQL Associate – DataCamp (2025)