

# Mohammad Umar Haris

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## Professional Summary

Data Scientist with 4+ years of experience applying statistical modelling, machine learning, and exploratory data analysis to solve business problems across insurance, logistics, and pharmaceutical domains. Strong proficiency in Python and SQL for data manipulation, predictive modelling, and large-scale analysis. Experienced in developing ML models, conducting A/B testing, and translating complex data into actionable insights. MSc Data Science (Distinction) with hands-on exposure to scikit-learn, TensorFlow, NLP, and feature engineering.

## Professional Experience

### Call Assist Ltd

*Operations Analyst*

Colchester, UK

Sep 2023 – Jan 2026

- Performed exploratory data analysis and statistical modelling on operational and financial datasets using Python and SQL, identifying cost drivers and inefficiencies that reduced service costs by 15–20%.
- Built predictive forecasting models for demand planning and recovery operations, improving planning accuracy by 22% through time-series analysis and regression techniques.
- Applied feature engineering and hypothesis testing on CRM datasets to identify behavioural patterns and performance drivers, improving response efficiency by 15%.
- Developed automated Python scripts for data validation and recurring analytical reports, saving 10+ analyst hours per week and improving data accuracy.
- Designed KPI tracking dashboards in Power BI for cost, utilisation, and vendor performance metrics, improving management visibility by 40%.
- Engineered cloud-based ETL pipelines using Azure SQL and basic Azure workflows to support scalable analytics and reporting automation.

### System Engineering

*Analytics Engineer (Contract)*

London, UK

Mar 2024 – Jan 2025

- Built end-to-end data pipelines using Azure Databricks and SQL to process large datasets, reducing reporting latency by 35%.
- Applied statistical analysis, exploratory data analysis, and trend evaluation to identify operational patterns and uncover performance drivers supporting data-driven decision-making.
- Designed Power BI dashboards translating complex statistical analyses into actionable business insights, improving stakeholder adoption by 40%.
- Collaborated with cross-functional stakeholders in Agile sprints to define metrics, validate analytical findings, and deliver tailored reports.

### Cognizant Technology Solutions

*Associate Analyst*

Gurugram, India

Dec 2021 – Sep 2022

- Developed Excel-based decision web app reducing policy evaluation time by 30%.
- Automated policy validation workflows achieving 99% data accuracy reducing manual errors.
- Engineered KPI dashboards in Google Data Studio accelerating performance monitoring.
- Conducted A/B testing on ad placements leading to 15–20% increase in conversion rates.

### Inletware Ltd

*Data Analyst (Part-Time)*

Gurugram, India

Jan 2020 – Dec 2021

- Analysed pharmaceutical e-commerce datasets using SQL to extract meaningful business insights and support market expansion strategies.
- Built 30+ dashboards in Power BI and Tableau to visualise sales, inventory, and demand trends, improving reporting efficiency by 20%.
- Developed time-series forecasting models and predictive analytics workflows supporting demand planning and inventory optimisation.

## Education

### MSc Data Science and its Applications (Distinction)

University of Essex, UK

2022 – 2023

### Bachelor of Pharmacy (First Class / 2:1 Equivalent)

Jamia Hamdard University, India

2017 – 2021

## Key Skills

**Programming & Data Analysis:** Python (Pandas, NumPy, Scikit-learn), SQL (PostgreSQL, MySQL), R (academic)

**Machine Learning:** Predictive Modelling, Classification, Regression, Feature Engineering, Hyperparameter Tuning, Cross-Validation, Time Series Analysis, NLP (academic), TensorFlow (projects)

**Statistics:** Exploratory Data Analysis, Hypothesis Testing, A/B Testing, Statistical Modelling, Forecasting

**Data Engineering:** Azure Databricks, ETL Pipelines, Data Warehousing, Azure SQL

**Visualisation & Reporting:** Power BI, Tableau, Google Data Studio, Data Storytelling, Dashboard Design

**Practices:** Agile (Scrum), Stakeholder Communication, Cross-Functional Collaboration