Mohammad Umar Haris

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Professional Summary

Data Scientist with 4+ years of experience building and deploying machine learning and analytics solutions across life sciences, pharmaceuticals, insurance, and operations domains. Strong foundation in Python-based ML, NLP, and data pipelines, with hands-on experience supporting Computer Vision and Generative AI workflows during MSc Data Science and industry projects. Proficient in Azure cloud, Databricks, and ML pipeline automation, with exposure to MLOps practices, CI/CD, and scalable model deployment. Adept at collaborating with cross-functional engineering teams to deliver end-to-end data and AI solutions.

Professional Experience

Call Assist Ltd, UK   Sep 2023 – Jan 2026
Operations Analyst

- Analysed large operational and CRM datasets using Python, SQL, and Excel to generate insights, reducing service costs by 15–20%.
- Built analytical pipelines and KPI frameworks to support operational optimisation and decision-making.
- Applied data quality checks and validation logic to ensure integrity of structured datasets used for downstream analytics.
- Collaborated with business and technical teams to translate operational requirements into data-driven solutions.

System Engineering, UK   Mar 2024 – Jan 2025
Data Scientist – GenAI & Analytics (Contract)

- Supported development of end-to-end data and model pipelines using Azure Databricks and SQL for analytics and ML workloads.
- Designed and deployed Power BI dashboards integrated with Azure SQL, improving data visibility and adoption by 40%.
- Applied statistical analysis, ML techniques, and NLP-based feature extraction to identify operational patterns.
- Assisted in deployment and monitoring of ML models using cloud-based workflows and version-controlled pipelines.
- Worked in Agile (Scrum) teams, collaborating with engineers and stakeholders to deliver AI-enabled solutions.

Cognizant Technology Solutions, Gurugram, India   Dec 2021 – Sep 2022
Data Scientist / Analyst

- Developed Python- and Spark-based ML automation pipelines on Azure, achieving 99% accuracy in large-scale data validation.
- Built decision-support ML models and rule-based systems, reducing policy evaluation time by 30%.
- Conducted A/B testing and statistical experiments to optimise digital workflows, improving conversion rates by 15–20%.
- Engineered ETL pipelines using Azure Data Factory and BigQuery to support scalable analytics and ML experimentation.

Inletware Ltd, Gurugram, India   Jan 2020 – Dec 2021
Data Analyst

- Performed end-to-end data analysis on pharmaceutical e-commerce datasets using Python, SQL, and statistical methods.
- Built time-series forecasting and predictive models to improve demand planning accuracy.
- Developed 30+ Power BI and Tableau dashboards, improving reporting efficiency by 20%.
- Supported multi-cloud analytics (Azure, GCP) for regional expansion and scalable data processing.

Education

University of Essex, UK   2022 – 2023
MSc Data Science and its Applications – *Distinction*

Jamia Hamdard University, India   2017 – 2021
Bachelor of Pharmacy – *First Class / 2:1 Equivalent*

Key Skills

Programming: Python, SQL, R
Machine Learning & AI: ML, Deep Learning foundations, NLP, Generative AI concepts, Forecasting, A/B Testing
Computer Vision: Image feature extraction, CV pipelines (academic & project-based exposure)

Cloud & MLOps: Azure (Databricks, Data Factory, Azure SQL), CI/CD concepts, ML pipeline automation
Data Engineering: ETL Pipelines, Data Validation, Feature Engineering
Tools: Power BI, Tableau, Git, Agile (Scrum)

Certifications

Microsoft Power BI Data Analyst Associate
Microsoft Azure Fundamentals (AZ-900)