

Usman Ahamed

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WORK EXPERIENCE

Unified Mentor Private Limited – Data Analyst Intern

May 2024 – November 2024

- Designed 4+ interactive dashboards in Tableau and Power BI, improving client decision-making by 40%.
- Automated data extraction and transformation using SQL and Python, reducing processing time by 50%.
- Performed fraud trend analysis using statistical modeling, identifying high-risk transactions with 92% accuracy.
- Collaborated with cross-functional teams, presenting insights that optimized marketing campaigns, increasing ROI by 20%.
- Flight Bird Strike Analysis: Conducted data-driven risk assessment for aviation safety, identifying key seasonal patterns using Python (pandas, seaborn), helping reduce potential flight disruptions.
- Sales Performance Analysis: Analyzed regional sales data using SQL and Excel, identifying trends that increased revenue by 15% through targeted promotions.

EDUCATION

London Metropolitan University, London

January 2024 - March 2026

Master of Science | Data Science

Google Data Analytics Certificate – Google, Coursera

Gained hands-on experience in SQL, Python, Tableau, and data visualization. Developed expertise in data cleaning, analysis, and storytelling to drive business decisions.

PROJECTS

HR Performance Analysis

- Analyzed workforce performance metrics of 7,984 active employees using **Tableau**, identifying key insights across departments, demographics, and education levels to enhance organizational decision-making.
- Summarized employee data with 3 dynamic visualizations, incorporating dimensions such as department, gender, and education, allowing HR teams to pinpoint factors influencing employee performance and retention.
- Explored trends and correlations between employee demographics and salary distributions, leveraging Tableau to provide actionable insights for talent management and salary optimization.

Bird Strikes Visualization (2000-2011)

- Created a dynamic dashboard using **Tableau**, comprising 8 visualizations to analyze bird strike trends from 2000–2011, uncovering critical insights such as the impact of wildlife size, flight phases, and geographic damage distribution.
- Analyzed 25000 rows FAA bird strike data to identify trends during critical flight phases. Created visualizations using **Python** to pinpoint peak seasons and improve aircraft safety measures.
- Developed 5 **KPIs** to evaluate aviation safety and operational risks, including damage frequency, cost implications, altitude-related damage, and origin state trends for actionable insights.

Heart Disease Diagnostic Analysis

- Analyzed heart disease patient data using **Python** and **Tableau** to uncover key patterns, such as the correlation between cholesterol, max heart rate, and heart disease likelihood.
- Automated a reporting system by preprocessing and visualizing over 10,00 rows of data, resulting in streamlined analysis and improved diagnostic insights for healthcare providers.
- Created an interactive **Tableau dashboard** showcasing 8 visualizations to highlight critical metrics, such as chest pain categories, age distribution, fasting blood sugar levels, and ECG insights.

SKILLS

Programming Languages: Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Flask)

Databases: MySQL, MongoDB

Machine Learning & AI: Supervised & Unsupervised Learning, Deep Learning, NLP, Computer Vision, Model Optimization

Data Structures & Algorithms: Problem-Solving, Optimization, Complexity Analysis

BI & Visualization Tools: Tableau, Power BI, MS Excel (Pivot Tables, VLOOKUP, Conditional Formatting)

Version Control & Deployment: Git, Docker, Kubernetes, CI/CD

Soft Skills: Analytical Thinking, Problem-Solving, Communication, Stakeholder Management