

Usman Ahamed

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SKILLS

Programming Languages:

Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit-learn)

Databases:

MySQL Server, Mongo DB

BI & Visualization Tools:

Tableau, MS Excel (Pivot Table, VLOOKUP, Conditional Formatting)

PROJECTS

HR Performance Analysis

October 2024

- 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)

May 2024

- 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

July 2024

- 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.

WORK EXPERIENCE

Unified Mentor Private Limited | Data Analyst Intern

25-05-2024 to 25-11-2024

- Developed 7 data analysis projects covering **sales, healthcare, sports, financial, and census data**.
- Created dashboards and visualizations to communicate insights effectively.
- Cleaned and analyzed large datasets using Python, Tableau, and Excel.
- Presented findings to team members, improving decision-making processes.

EDUCATION

London Metropolitan University, London

January 2024 - March 2026

Master of Science | Data Science

[Google Data Analytics Professional Certificate](#)

February 2024 - April 2024 | Online

- Completed comprehensive job-ready training in data cleaning, visualization, and project management.
- Gained hands-on experience in interpreting and communicating data insights effectively.
- Developed confidence in transforming complex data into clear, actionable insights.
- Proficient in programming languages and strong understanding of databases.

INTERESTS

TED Talks, Udemy, Hiking, Learning Languages (currently learning German)