

# Mohammad Asif

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## PROFESSIONAL SUMMARY

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Data Analyst skilled in Python, SQL, Power BI, and Tableau, with experience in data cleaning, statistical analysis, and visualization. Developed interactive dashboards and automated reporting solutions to drive data-informed decisions. Proficient in EDA, descriptive/inferential statistics, and business insights generation.

## TECHNICAL SKILLS

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- Programming:** Python (Pandas, NumPy, Scikit-learn), SQL
- Data Visualization:** Power BI, Tableau, Excel, Matplotlib, Seaborn, Plotly
- Data Analysis:** Data Cleaning, EDA, Statistical Analysis, Hypothesis Testing, A/B Testing, ETL, Data Modeling
- Databases:** MySQL, SQLite
- Machine Learning:** Regression, Classification, Clustering, Feature Engineering, Model Evaluation
- Cloud & Tools:** Git, GitHub, Jupyter Notebook, VS Code, Azure, AWS (S3, Redshift)

## PROJECTS

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### H-Mart Store Business Analytics Sep 2025

- Built Power BI dashboard analyzing 100K+ transactions across 50+ stores, uncovering key revenue drivers
- Identified top-performing region contributing 35% of total revenue and improved reporting efficiency by 62.5%
- Automated ETL workflows using SQL and DAX, enabling real-time performance monitoring and accuracy

### COVID-19 Data Analytics Oct 2025

- Analyzed 500K+ COVID-19 records to identify global vaccination trends; 75% concentrated in top 10 countries
- Created 10+ interactive visualizations using Python Pandas, Matplotlib, Seaborn to track regional performance
- Discovered 40% variance in vaccination efficiency across regions, providing insights for public health resource allocation

### Matplotlib Seaborn Introduction Oct 2025

- Developed a visualization toolkit demo using **Matplotlib** and **Seaborn** to explore line-plots, histograms, scatter-plots, violin- and box-plots.
- Showcased techniques to customise colors, grid-layouts and subplots for effective data storytelling.
- Employed Python libraries such as NumPy, Pandas alongside Jupyter Notebook to manage and visualise datasets efficiently.

## EDUCATION

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### B.Tech in Information Technology

Aug 2021 - Jun 2024

Malla Reddy Institute of Technology and Science, Hyderabad

## COURSEWORK

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-**Relevant Coursework:** Data Structures and Algorithms, DBMS, Python Programming, Statistics, Data Analytics, Machine Learning, Data Visualization, Probability, Linear Algebra, Big Data Fundamentals, Business Intelligence, EDA, SQL for Data Analysis