

Vamsi Mudila

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with 3+ years of experience in data visualization, predictive analytics, and BI reporting. Skilled in SQL, Python, Power BI, and Tableau, delivering actionable insights that improve decision-making and efficiency. Passionate about leveraging data to drive business strategy and operational improvements.

SKILLS

• Programming Languages:	Python (<i>Pandas, NumPy, scikit-learn, Matplotlib, Dash, Plotly</i>), SQL (<i>Complex Queries, Joins, Window Functions</i>), HTML, CSS, JavaScript
• Tools & Environments:	Git/GitHub, Jupyter Notebook, Visual Studio Code, Power BI, Tableau, Qlik Sense, Looker, MS Office (Excel, PowerPoint, Word), Google Sheets
• Data Visualization & Reporting:	Power BI, Tableau, Advanced Excel (<i>Pivot Tables, VLOOKUPS, Macros</i>)
• Data Analysis & Modelling:	A/B Testing, Data Preprocessing, NLP, LLMs, Time Series Analysis, Forecasting
• Database & Data Management:	SQL Databases, Data Warehousing, ETL Pipelines, Data Quality Assurance
• Business Intelligence & Analytics:	KPI Tracking, Revenue & Sales Analysis, Consumer Insights, Marketing Analytics, Statistical Analysis, Predictive Modelling (<i>Regression, Forecasting</i>)
• Soft Skills:	Analytical Problem-Solving, Strong Communication, Stakeholder Collaboration, Adaptability

PROJECTS

Room Utilization Analysis (<i>Python, Dash, Plotly</i>)	January 2025
<ul style="list-style-type: none">Built an interactive dashboard, cutting manual tracking by 85% & enabling real-time monitoring of 20+ rooms.Analysed 10,000+ records, identifying 30% underutilized spaces & peak usage trends for optimized scheduling.Detected 15+ anomalies using z-score analysis, reducing conflicts by 20%.	
Visualizing Historical Gender Diversity in Computer Science Publications (<i>Python, Dash, Plotly, DBLP API</i>)	September 2023
<ul style="list-style-type: none">Analysed 100,000+ research papers, revealing a 15% increase in female representation in 30+ years of data.Built dynamic visualizations (donut charts, trend lines) to make insights accessible to researchers & policymakers.	
Natural Disasters and Casualties: A Data Analysis (<i>SQL, Tableau, Power BI, Excel</i>)	December 2022
<ul style="list-style-type: none">Analysed 20+ years of data, tracking disaster casualties, injuries & affected populations across 9 major disasters.Developed Tableau dashboards, highlighting China's 49.8% share of global disaster-affected populations.Performed statistical analysis, showing earthquakes & floods as the deadliest events with 220,000 deaths in 2010.	

WORK EXPERIENCE

ASQUARE, Remote & India Data Analyst (Full-Time & Freelance Consultant)	August 2021 – Present
<ul style="list-style-type: none">Developed Power BI dashboards, reducing manual reporting time by 30% and enabling real-time tracking of sales and KPIs.Optimized SQL queries & ETL pipelines, improving data processing efficiency by 25% and reducing query execution time by 40%.Led customer segmentation analysis, boosting targeted marketing efficiency by 15% and improving retention strategies.Provided consulting on BI reporting, ensuring 98% data accuracy and improving business intelligence insights.	
CAPGEMINI, India Analyst (Full-Time)	March 2021 – July 2021
<ul style="list-style-type: none">Designed Tableau dashboards, reducing manual reporting effort by 40% and improving data visualization efficiency.Automated SQL query execution, decreasing data retrieval time by 35% and enabling faster decision-making.Conducted system efficiency analysis, improving operational compliance and cost optimization.Developed KPI reports, providing actionable insights for process improvements and stakeholder decision-making.	
Taco Bell, UK Team Member (Part-Time)	July 2024 – Present
<ul style="list-style-type: none">Analysed peak-hour sales trends, optimizing staff scheduling and reducing customer wait times by 10%.Automated Excel-based inventory tracking, increasing data accuracy by 15% and reducing waste by 8%.Implemented process improvements, increasing service efficiency by 15% during peak hours.Tracked sales performance, supporting data-driven recommendations for operational improvements.	

EDUCATION

MSc in Data Science & AI – <i>University of Liverpool, UK</i>	December 2023
PG Diploma in Embedded Systems Design – <i>CDAC, India</i>	January 2020
BTech in Electronics & Communication Engineering – <i>GITAM University, India</i>	August 2019