

# 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 R, 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

• <b>Programming Languages:</b>	Python ( <i>Pandas, NumPy, scikit-learn, Matplotlib, Dash, Plotly</i> ), SQL ( <i>Complex Queries, Joins, Window Functions</i> ), R ( <i>tidyverse, ggplot2, dplyr, caret</i> ), HTML, CSS, JavaScript
• <b>Tools &amp; Environments:</b>	Git/GitHub, Jupyter Notebook, Visual Studio Code, Power BI, Tableau, Qlik Sense, Looker, MS Office (Excel, PowerPoint, Word), Google Sheets
• <b>Data Visualization &amp; Reporting:</b>	Power BI, Tableau, Advanced Excel ( <i>Pivot Tables, VLOOKUPS, Macros</i> )
• <b>Data Analysis &amp; Modelling:</b>	A/B Testing, Data Preprocessing, NLP, LLMs, Time Series Analysis, Forecasting
• <b>Database &amp; Data Management:</b>	SQL Databases, Data Warehousing, ETL Pipelines, Data Quality Assurance
• <b>Business Intelligence &amp; Analytics:</b>	KPI Tracking, Revenue & Sales Analysis, Consumer Insights, Marketing Analytics, Statistical Analysis, Predictive Modelling ( <i>Regression Analysis, Forecasting</i> )
• <b>Soft Skills:</b>	Analytical Problem-Solving, Strong Communication, Stakeholder Collaboration, Adaptability

## PROJECTS

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

## WORK EXPERIENCE

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

## 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