

Mantravadi Jaya Vamsi Krishna

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Professional Summary

Results-driven **Business Intelligence & Data Analyst** with 5 years of experience designing, automating, and optimizing **data pipelines, dashboards, and analytics solutions** in banking, SaaS, and AI environments. Proficient in **SQL, Python, Power BI, Azure, and Snowflake**. Experienced in implementing **machine learning-driven insights** for sales forecasting and operational optimization. Adept at translating business requirements into scalable data solutions that improve efficiency, visibility, and decision-making.

Technical Skills

BI & Visualization: Power BI, Tableau, Excel Dashboards, DAX, Deneb, Vega-Lite, Power Query

Programming: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), SQL (T-SQL, MySQL, Snowflake)

Cloud Platforms: Azure Data Factory, Data Lake, Blob Storage, AWS (EC2, S3, RDS)

Data Engineering: ETL/ELT Automation, Data Warehousing, Dimensional Modeling, Metadata Optimization

Machine Learning: Regression Models, Random Forest, Sentiment Analysis, Forecasting, Feature Engineering

Other Tools: Alteryx, JIRA, Git, Excel (Pivot Tables, VBA, Macros), Agile/Scrum

Soft Skills: Stakeholder Management, Requirement Gathering, Client Presentations, Analytical Problem-Solving

Professional Experience

Accenture (Client: Fiserv)

Hyderabad, India

Data Analyst / BI Engineer

Oct 2021 – Jul 2023

- Designed and deployed **end-to-end BI dashboards** tracking operational KPIs for credit union migrations, improving reporting visibility by 60%.
- Automated ETL workflows using **Python, SQL, and Azure Data Factory**, reducing manual effort by 40% and enabling near real-time insights.
- Partnered with clients to define requirements, troubleshoot data pipelines, and deliver custom reports that supported 35+ financial institution migrations.
- Conducted **data reconciliation and validation**, improving reporting accuracy by 35% and ensuring regulatory compliance.
- Collaborated cross-functionally with technical and functional teams to standardize reporting and enhance KPI definitions.

Accenture (NorthStar 1A – SaaS BPM)

Hyderabad, India

Reporting Analyst / Functional Consultant

May 2020 – Jul 2021

- Built **Power BI dashboards and Excel reports** across six departments, improving transparency for leadership.
- Implemented Python-based reporting automation pipelines, eliminating 40% manual effort and improving consistency.
- Analyzed team-level KPIs to drive efficiency improvements of 15% by identifying performance bottlenecks.
- Presented quarterly performance trends to management, resulting in improved decision-making and resource optimization.

Sage7AI (Client: Atlas Cycles)

Hyderabad, India

Product Analyst – Retail Product Analytics

May 2018 – Jan 2020

- Analyzed customer purchase behavior, product performance, and store-level sales across 10,000+ daily transactions, identifying trends, peak demand periods, and high-impact product lines.
- Built dashboards and reports tracking product KPIs, feature adoption, and sales performance, enabling product and operations teams to make data-driven decisions.
- Conducted deep-dive analyses on customer journeys and sales funnels, uncovering friction points and opportunities to improve product offerings and operational efficiency.
- Developed models to forecast item-level demand and optimize inventory planning, reducing stock-outs and overstock by 12%.
- Automated ETL pipelines and reporting workflows using Python and SQL, reducing manual effort by 35% and delivering near real-time insights to stakeholders.
- Partnered with product managers and engineering teams to define tracking metrics and success criteria for new features and operational improvements.
- Presented actionable insights and business impact summaries to leadership, supporting data-driven decisions for product roadmap and retail strategy.
- Identified high-impact levers from analytics that increased adoption of key sales and inventory dashboards by 28% among store managers and operations teams.

Academic Projects

Divvy Bike Share Analysis (Python, SQL, Power BI)

- Analyzed ridership and seasonal trends; identified 25% higher weekend usage by casual riders.
- Built interactive Power BI reports for marketing and operations optimization.

Spotify Analytics Dashboard (Power BI, Deneb, Vega-Lite)

- Created executive dashboards visualizing artist popularity, stream trends, and performance KPIs.
- Optimized DAX calculations and visuals for efficient, scalable reporting.

Traffic Violation Detection (TensorFlow, OpenCV)

- Achieved 89% detection accuracy for red-light violations; automated anomaly identification reduced manual workload by 50%.

Hospitality Booking Analytics (Python, SQL, Power BI)

- Built an end-to-end analytics dashboard analyzing 118K+ hotel bookings (2015–2017), uncovering OTA-driven cancellations (76%), ADR seasonality (\$70–\$150), and high lead-time risk (up to 87%).

Education

University of Central Missouri

Warrensburg, MO

M.S. in Computer Science

Aug 2023 – May 2025

Relevant Coursework: Data Analysis, Statistics, SQL, Data Visualization, Database Design, Data Mining

GITAM University

Visakhapatnam, India

B.Tech in Computer Science

Relevant Coursework: Data Structures, Algorithms, Database Systems, Operating Systems, Web Technologies

Certifications

Microsoft Certified: Azure Fundamentals (AZ-900)

IBM Certified: Data Analysis with Python

Salesforce Certified Developer Associate