

CharanTeja Vallabhaneni

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PROFESSIONAL SUMMARY

Data Analyst with experience using SQL, Python, and Power BI to build end-to-end analytics solutions. Developed ETL pipelines, KPI dashboards, and customer insights systems across datasets of 50K+ records. Skilled in identifying trends, optimizing reporting workflows, and translating complex data into actionable business insights.

TECHNICAL SKILLS

Languages: SQL (Joins, CTEs, Window Functions), Python (Pandas, NumPy), R

BI & Visualization: Power BI (DAX, Power Query), Tableau, Excel

Databases & Warehousing: Databricks, Snowflake, PostgreSQL

Data Engineering: ETL Pipelines, API Integration, Data Transformation, Data Validation

Analytics: EDA, Regression, Classification, Clustering, Statistical Analysis

Tools: Jira, Agile, Git

PROJECTS

Sales Performance Dashboard (Power BI – AdventureWorks)

- Built a Power BI sales dashboard analyzing 50K+ records, tracking \$24.9M revenue and \$10.5M profit.
- Built DAX KPIs for revenue, profit, orders, and returns.
- Identified top product categories driving 65%+ of total orders and revenue.
- Improved data accessibility and reduced manual reporting using interactive drilldowns.

Customer & Revenue Analytics Dashboard (Power BI – Maven Market)

- Developed a customer intelligence dashboard analyzing 17K+ customers with average revenue per customer of \$1,431.
- Segmented customers by income and occupation to identify high-value and high-retention segments.
- Built KPI tracking for revenue, profit, and targets, enabling quick identification of underperforming periods.
- Identified top-performing customers contributing a significant share of total revenue.

SQL Data Analysis Project

- Performed advanced data analysis using SQL (joins, CTEs, window functions) on large datasets.
- Conducted cohort and trend analysis to evaluate customer retention and behavioral patterns.
- Optimized complex queries to improve performance and scalability.
- Identified key revenue and customer trends to support data-driven decision-making.

WORK EXPERIENCE

Data Analyst – Client Analytics Project

Pearmund Winery Cellars

Fairfax, VA
Jan 2025 - May 2025

- Analyzed 50K+ sales records to uncover trends in revenue, pricing, and customer behavior.
- Built automated ETL pipelines using Python and APIs, reducing manual reporting effort by 40%.
- Wrote optimized SQL queries (joins, aggregations, window functions) to transform and analyze data.
- Designed and deployed Power BI dashboards to track KPIs and support real-time decision-making.
- Partnered with stakeholders to translate business needs into scalable analytics solutions.

Associate Software Engineer – Data & Performance Analyst

Bosch Global Software Technologies

Hyderabad, India
Aug 2022 - Aug 2023

- Analyzed automotive testing datasets across powertrain and chassis systems to identify performance issues and quality risks.
- Performed root cause analysis to reduce recurring failures and improve system reliability.
- Used SQL and Python to process and analyze large-scale test data.
- Identified defect patterns and anomalies in HIL testing environments and generated reports to help respective teams.

EDUCATION

George Mason University, Fairfax, VA

Master of Science in Data Analytics Engineering

GITAM University, India

Bachelor of Technology in Computer Science

CERTIFICATIONS

- Google Data Analytics • Microsoft Power BI Desktop