



Yaswanth Lalpet Vari

Data Analyst



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Summary

Data Analyst with 3+ years of experience leveraging advanced analytics, statistical modeling, and AI-enhanced automation to drive business value. Proven expertise in data modeling, predictive insights, and cross-functional collaboration, delivering measurable operational improvements and cost savings through strategic data-driven solutions.

Skills

Methodologies: Agile, SDLC, Waterfall

Programming Languages: Python, SQL, R

Libraries: Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch

Database: MySQL, PostgreSQL, SQL Server

Data Visualization Tools: Tableau, Power BI(with Copilot AI), Microsoft Excel

Analytical Techniques: Statistical Analysis, Regression Analysis, A/B Testing, Exploratory Data Analysis, Trend Analysis, Predictive Analytics, Hypothesis Testing, Time Series Analysis

Cloud Platforms: AWS (S3, EC2, Redshift), Azure, GCP, Snowflake

Version Control: Git, GitHub

AI & Analytics Automation: Power BI AI Features, AI-enhanced Reporting, Automated Dashboard Generation

Soft Skills: Stakeholder Engagement, Problem-Solving, Attention to Detail, Critical Thinking, Data Storytelling, Root Cause Analysis, Strong Communication Skills, Team Collaboration

Education

Master of Science in Information Systems | Syracuse University, New York

May 2025

Bachelor of Engineering | SRM Institute of Science and Technology, India

May 2021

Work Experience

Data Analyst | BNY Mellon, New York

August 2024 - Current

- Resolved investment forecasting inaccuracies by implementing **streamlined data pipelines** using **Python (Pandas, NumPy)** and **Snowflake**, improving portfolio decision precision and reducing manual analysis time.
- Eliminated financial reporting inconsistencies through **data governance frameworks** using **SQL Server** validation and **Power BI** monitoring, achieving 40% reduction in compliance errors through **stakeholder reporting** automation.
- Addressed executive visibility gaps by developing **AI-powered business intelligence** dashboards with **Power BI Copilot** and **automated insight generation**, enabling **real-time executive reporting** and improving decision-making speed by 35%.
- Solved operational cost inefficiencies through **statistical modeling** and **regression analysis** collaboration with investment teams, identifying **process automation** opportunities that delivered \$180K annual savings via **data-driven insights**.
- Enhanced loan approval bottlenecks using **PostgreSQL data wrangling** and **R statistical modeling** with **machine learning (AutoML)** integration, accelerating risk assessment workflows and improving approval accuracy significantly.
- Streamlined multi-system data fragmentation by building **ETL data pipelines** with **Python** and **AWS S3** storage, creating centralized **data warehousing** that reduced cross-department data retrieval time by 45%.

Data Analyst | Sage Softtech, India

January 2021 - July 2023

- Resolved data processing bottlenecks across business systems through **Python scripting** and **SQL data wrangling**, improving **business intelligence** report accuracy by 25% for management strategic planning.
- Addressed revenue visibility challenges by creating **Tableau** dashboards with **exploratory data analysis**, enabling **stakeholder reporting** that identified market opportunities contributing to \$85K quarterly growth improvement.
- Bridged communication gaps between product/marketing teams through **stakeholder management** in **Agile** environment, translating complex data requirements into actionable analytical reports supporting budget allocation decisions.
- Solved customer targeting inefficiencies using **k-means clustering** and **Python (scikit-learn)** with **Azure AutoML integration**, developing **AI-assisted customer segmentation** strategies that increased email campaign effectiveness by 22%.
- Prevented customer revenue loss by building **statistical modeling** frameworks using **regression analysis** and **time series analysis**, creating **data pipelines** that identified churn patterns preventing \$120K losses.
- Eliminated manual validation errors through **automated data quality** processes using **Python** and **Git** version control, ensuring **data governance** consistency across all **stakeholder reporting** deliverables organization-wide.

Projects

New York State Budget Allocation Analysis: Conducted a 30-year trend analysis on New York State budget data using R, identifying inefficiencies and proposing data-driven policy recommendations. Crafted a dynamic Tableau dashboard, enhancing budget data transparency and facilitating stakeholder decision making. Processed and cleaned over 1 million rows of economic data, improving accuracy and reliability in economic analysis.

U.S. Chronic Disease Indicators: Led a healthcare analytics initiative, visualizing chronic disease trends with Dash and Plotly, improving data accessibility for public health decision-makers. Processed and standardized 10,000+ healthcare data records, ensuring a 30% improvement in data accuracy and consistency. Delivered insights that enhanced stakeholder decision-making for healthcare policy improvements.

Certifications

- Google Data Analytics by Google
- Programming for Everybody (Getting Started with Python)
- Salesforce Certified Administrator