Sravya Sri Sakurthi | Data Analyst

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SUMMARY

Data Analyst with **4 years of experience** designing and managing SQL and Python ETL pipelines, creating Power BI and Tableau dashboards, and analyzing healthcare and enterprise datasets. Skilled in MySQL, Google BigQuery, Python, and R, delivering accurate insights that improve reporting efficiency and operational performance. Experienced in predictive modeling, statistical analysis, and HIPAA-compliant data governance, supporting cross-functional teams and enabling timely, reliable, data-driven decisions across departments.

TECHNICAL SKILLS

Data Analysis & Reporting: Descriptive & inferential statistics, regression, correlation, hypothesis testing, KPI tracking, trend analysis, operational metrics, Power BI, Tableau, Excel reporting, macros, Google Sheets automation

Database & ETL: SQL (joins, CTEs, window functions, complex queries), Python (data extraction, transformation, cleaning, aggregation), MySQL, Google BigQuery, ETL workflow design, dataset optimization, pipeline automation

Data Quality & Governance: Data cleaning, missing value imputation, outlier detection, HIPAA-compliant data governance, data validation, standardization, secure reporting, cross-functional reporting process standardization

Predictive Analytics & Modeling: Predictive modeling accuracy improvement, cost-saving analysis, operational optimization, statistical modeling for healthcare datasets

Tools & Technologies Power BI, Tableau, Excel, Google Sheets, Python (Pandas, NumPy, SciPy), SQL, MySQL, Google BigQuery

Soft Skills & Collaboration: Cross-functional team collaboration, process improvement, operational efficiency, data-driven decision support for management

PROFESSIONAL EXPERIENCE

M&T Bank, KS, USA **Jan 2025 - Current**

Data Analyst

- Developed and maintained SQL and Python ETL pipelines for healthcare datasets, reducing errors by 35%, improving monthly reporting accuracy, and accelerating cross-department analytics for enterprise operational and strategic decisions.
- Designed interactive Power BI dashboards visualizing patient claims, operational KPIs, and trends, enabling management to make data-driven decisions faster while reducing reporting delays by 25% and improving actionable insights.
- Automated extraction, transformation, and aggregation from MySQL and Google BigQuery using Python, eliminating 50% of manual reporting work and ensuring timely, reliable access to enterprise-level healthcare datasets for analytics.
- Conducted regression, correlation, and hypothesis testing on healthcare datasets, identifying cost-saving opportunities and improving predictive modeling accuracy by 20%, supporting operational efficiency and enterprise-level strategic decision-making processes.
- Implemented HIPAA-compliant data governance processes for sensitive patient information, standardizing reporting workflows, ensuring regulatory compliance, minimizing errors, and enabling secure, accurate, and timely delivery of analytics across departments.

Citius Tech, India **May 2021 - Jul 2023**

Data Analyst

- Developed complex SQL queries with joins, CTEs, and window functions to extract large datasets, reducing retrieval time by 35% and supporting accurate analytics and reporting across multiple business units.
- Built Tableau dashboards and Excel visualizations tracking KPIs, operational trends, and team performance, enabling leadership to identify bottlenecks, improve process efficiency by 20%, and enhance enterprise decision-making.
- Performed data cleaning, missing value imputation, outlier detection, and dataset optimization using Python and R, improving data quality by 25% and supporting predictive modeling and actionable business insights.
- Automated recurring reports using Excel macros, Google Sheets scripts, and SQL-based ETL workflows, reducing manual preparation time by 50% and enabling near real-time KPI monitoring across departments.
- Collaborated with IT and business teams to standardize reporting processes, ensuring data accuracy, accelerating report delivery, and supporting operational improvements and compliance across cross-functional enterprise analytics initiatives.

Citius Tech, India **Mar 2020 - Apr 2021**

Jr. Data Analyst

- Extracted and cleaned healthcare datasets using SQL and Excel, ensuring accuracy and consistency to support reporting and analytics that helped clinical and operational teams make informed decisions.
- Built and maintained interactive dashboards in Power BI and Tableau, tracking key metrics, reducing manual reporting, and providing teams with timely insights for performance monitoring.
- Analyzed patient and operational data to identify trends, discrepancies, and opportunities for improvement, contributing to better process efficiency and supporting data-driven decision-making.
- Worked closely with business analysts and clinical stakeholders to gather requirements, validate data, and produce reports that improved reporting accuracy and supported healthcare analytics projects.

EDUCATION

Maters of Science in Information Systems **Aug 2023 - May 2025**

Saint Louis University, Saint Louis, Missouri, USA

Bachelor of Technology in Computer Science **Jun 2018 - Apr 2022**

Jawaharlal Nehru Technological University, India

PROJECTS

Yield Prediction of Wheat Crop Using Machine Learning | Python, Pandas, SQL **Jun 2023 - Aug 2023**

- Collected, cleaned, and analyzed historical wheat yield and environmental datasets using Python (Pandas) and SQL, implementing preprocessing workflows and quality checks to ensure high data accuracy for predictive analysis.
- Developed and evaluated predictive models, including Linear Regression and Decision Tree algorithms, for wheat yield forecasting, applying feature engineering techniques and assessing performance using metrics such as Mean Absolute Error and R-squared.
- Created an interactive dashboard to present real-time model predictions and visual analytics, enabling data-driven agricultural decision-making, while validating model outputs through collaboration with subject matter experts for accuracy and reliability.