

GAYATHRI GARLAPATI

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SUMMARY

Data Analyst with 3+ years of hands-on experience in transforming raw data into actionable insights using Python, SQL, Tableau, Power BI, and advanced statistical techniques. Skilled in data cleaning, predictive modeling, and hypothesis testing across fast-paced environments including insurance and IT services. Proven ability to streamline ETL pipelines, automate dashboards, and deliver measurable improvements in business KPIs. Adept in Agile environments, leveraging tools like AWS, Snowflake, and SAS to support data-driven decisions across cross-functional teams.

EDUCATION

Webster University

Master in Information Technology Management

San Antonio, Texas

August 2023 – May 2025

SKILLS

Methodologies: SDLC, Agile, Waterfall, A/B Testing, Hypothesis Testing

Language: Python, R, SQL, SAS

Packages: NumPy, Pandas, Matplotlib, SciPy, ggplot2, Seaborn

Data Analytics: Data Modeling, Predictive Modeling, Data Aggregation, Data Cleaning, Data Warehousing, ETL Processes, Exploratory Data Analysis (EDA), Database Management Systems (DBMS), Descriptive and Inferential Statistics

Visualization Tools: Tableau, Power BI, Looker, Microsoft Excel (VBA, VLOOKUP, Pivot Table, Power Query)

Database: MySQL, SQL Server, PostgreSQL, PL/SQL, MongoDB, MS Access

Other Skills: Jira, CRM Analytics, Snowflake, AWS, GIT, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

MetLife

United States

Data Analyst

January 2025 – Present

- Designed and automated interactive Tableau dashboards that visualize key business metrics such as claim turnaround times and customer satisfaction, improving reporting efficiency by 35%.
- Developed Python-based scripts (NumPy, Pandas) to clean, aggregate, and analyze large-scale claims data (5M+ records), reducing manual processing time by 50%.
- Conducted A/B testing and hypothesis testing to evaluate policyholder response rates to various outreach campaigns, resulting in a 12% increase in retention.
- Utilized SAS to extract, clean, and analyze large insurance datasets, enabling accurate trend reporting and reducing manual data preparation time by 30% through automated statistical procedures.
- Integrated data from MongoDB and PostgreSQL to support a centralized analytics layer, boosting query performance and enabling faster fraud detection insights.
- Collaborated in Agile sprints using JIRA and Git for version control and issue tracking, enhancing sprint success by 20%.
- Conducted predictive analysis using Python (Pandas, NumPy) and SQL on historical claims data to identify high-risk insurance patterns, leading to a 15% improvement in fraud flagging accuracy and enhanced operational efficiency.

Adons Softech

India

Data Analyst

January 2021 – June 2023

- Extracted, cleaned, and analyzed sales and CRM datasets using SQL Server, Excel (VLOOKUP, Pivot Tables) and Power BI, generating insights that contributed to a 10% increase in monthly revenue.
- Developed and deployed ETL pipelines using SSIS and Snowflake, improving the reliability and scalability of reporting systems across multiple departments.
- Performed exploratory data analysis (EDA) and built descriptive dashboards in Power BI to track campaign performance, optimizing marketing strategy for a 20% boost in conversion rate.
- Utilized Python (Pandas, Matplotlib) to automate repetitive reporting tasks and reduce weekly data refresh time by 60%, freeing up team hours.
- Conducted time series forecasting to predict monthly inventory needs using R, improving stock management by 8%.
- Implemented SQL and VBA validation scripts to ensure consistency across daily data feeds, reduced data quality issues by 30%.
- Supported data modeling efforts for internal applications, assisting developers in optimizing database schema and improving query performance by 25%.