

Sri Sai Sateesh Gollapudi

Data Analyst

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Summary

Highly skilled Data Analyst with 3+ years of strong background in data analysis, statistical modeling, and data visualization. Proficient in SQL, Python (NumPy, Pandas, VADER, spaCy), R, and advanced tools like Power BI and Tableau. Experienced in performing complex data transformations, cleaning, and validation, while optimizing workflows for efficiency. Expertise in applying analytical techniques to drive actionable insights, improve decision-making, and support business growth. Adept at working in Agile environments and collaborating with cross-functional teams to achieve organizational objectives.

Technical Skills

- Programming Languages:** Python (NumPy, Pandas, VADER, spaCy), R (dplyr, ggplot2, caret), SQL
- Data Analysis & Statistics:** Correlation Analysis, Regression Analysis, ANOVA, Predictive Analytics
- Data Visualization & Reporting:** Power BI (Advanced Features), Tableau (Dynamic Filters, Calculated Fields)
- ETL & Data Storage:** AWS Glue, AWS S3, Azure SQL Database, Azure Data Factory
- Tools & Technologies:** SQL (JOIN, GROUP BY), Pandas, NumPy, SciPy, Statsmodels, VADER, spaCy, R, Tableau, Power BI
- Other Skills:** Agile Methodology, Data Quality Checks, Data Transformation Pipelines, Market Sentiment Analysis, Customer Segmentation, Statistical Forecasting

Professional Experience

Data Analyst, Charles Schwab Corporation

02/2024 – Present | Remote, USA

- Worked on Market Sentiment Analysis for Investment Strategy in an Agile environment, collaborating with cross-functional teams to gather, analyze, and interpret market sentiment data, driving data-driven investment decisions and optimizing portfolio performance.
- Utilized SQL methods like JOIN and GROUP BY to extract, clean, and organize large datasets from financial news sources, social media, and market reports, enhancing query performance and reducing processing time by 35%.
- Applied Python libraries such as NumPy, Pandas, VADER, and spaCy to preprocess, clean, and analyze market sentiment data, automating sentiment extraction from financial content and reducing analysis time by 40%, improving overall efficiency.
- Conducted high-level statistical analysis, including correlation and regression analysis, to measure the impact of sentiment scores on market fluctuations, achieving an 18% improvement in predictive accuracy for short-term investment forecasting.
- Validated data integrity by performing data quality checks using AWS Glue for ETL processes and AWS S3 for scalable data storage, ensuring a 12% improvement in data consistency and providing reliable sentiment insights for strategic decisions.
- Developed a high-end Power BI dashboard incorporating real-time sentiment trend tracking, dynamic filters, and predictive analytics, resulting in a 20% increase in investment strategy effectiveness and improving decision-making across the investment team.

Associate Data Analyst, Innover Digital

01/2020 – 12/2022 | A.P, India

- Conducted comprehensive Customer Segmentation and Behavior Analysis by analyzing transactional data, identifying distinct customer segments based on purchasing patterns, demographics, and behavior. Insights led to a 25% improvement in targeted marketing strategies and customer engagement.
- Used SQL to extract and clean data from relational databases, design complex queries to analyze customer behavior trends. Unified Azure SQL Database and Azure Data Factory to automate data extraction and transformation processes, optimizing data flow.
- Applied advanced statistical analysis methods, such as correlation analysis and ANOVA, to uncover hidden patterns in customer behavior. Findings resulted in a 15% increase in customer retention through more personalized marketing campaigns.
- Used Python libraries like Pandas, NumPy, SciPy, and Statsmodels to clean, process, and analyze large datasets. Developed custom data transformation pipelines to improve data processing speed by 40%, enhancing the overall analysis accuracy and efficiency.
- Leveraged R and packages like dplyr, ggplot2, and caret for performing clustering and regression analysis on customer behavior data. Delivered actionable insights on key customer traits, improving campaign conversion rates by 20% within a quarter.
- Ensured data integrity by implementing data validation techniques and Level of Detail (LOD) expressions for accurate aggregation and consistency across datasets, reducing data discrepancies by 10% during analysis and reporting.
- Created interactive Tableau dashboards with advanced features like dynamic filters, calculated fields, and trend lines, serving insights in real-time. The dashboard improved decision-making, increasing marketing campaign effectiveness by 18% in the first quarter.

Education

Master of Science in Computer Science

Florida Atlantic University

01/2023 – 12/2024 | Boca Raton, FL, USA

Bachelor of Technology in Computer Science and Engineering

Rise Krishna Sai Gandhi Group of Institutions

06/2016 – 12/2020 | AP, India