SIVA SAI SOMISETTY

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SUMMARY

A highly analytical **Data Enthusiast** with expertise in **data visualization, reporting,** and process optimization. Proficient in **SQL, Power BI, Snowflake, and Python**, with strong problem-solving and stakeholder collaboration skills. Adept at developing dashboards, analyzing trends, and ensuring data accuracy to support strategic decision-making.

SKILLS

Databases	SQL Server (Joins, Window Functions, Views), MySQL
BI & Visualization Tools	Microsoft Power BI (Data Modeling, DAX, Power Query, Report Building, Dashboard Creation)
Analytical Skills	Statistics (Bayesian Methods, A/B Testing), Machine Learning (scikit-learn, TensorFlow)
Artificial Intelligence	Prompt Engineering, Generative AI
Microsoft Office Suite	Microsoft Excel (Macros, Charts, Pivot Tables, VBA), Word, PowerPoint, Outlook, Visio
Programming Languages	Python (Pandas, NumPy, SciPy, Matplotlib)
Additional Skills	Snowflake (Snowpark, Snowsight)

EXPERIENCE

Kasmo   **Jul 2025 – Present**
Data Engineer Intern
- Developed and optimized complex **SQL queries** for data extraction, transformation, and reporting across business domains.
- Designed and implemented scalable **ETL pipelines** to automate data ingestion and processing workflows.
- Integrated and maintained Snowflake data warehouse environments, ensuring performance, reliability, and schema alignment.

NitlyTech   **Jun 2022 – Jul 2023**
Data Analyst
- Designed and maintained **interactive dashboards and reports** using Power BI.
- Wrote **optimized SQL queries** to extract, analyze, and manipulate data from multiple sources.
- Collaborated with stakeholders to **gather reporting requirements** and translate business needs into technical solutions.

PROJECTS

Customer Churn Analysis
- Processed and analyzed over **10,000 sales records** using MSSQL Server, performed exploratory data analysis, and developed two interactive **Power BI** dashboards to present actionable insights and machine learning predictions.
- Built a machine learning model with an accuracy of **82%** to predict customer trends, showcasing expertise in **SQL**, **data visualization**, and **machine learning** to support data-driven strategies.

Comprehensive Data Pipeline and Analysis
- Extracted, cleaned, and transformed (ETL) datasets from Kaggle using **Python**, **Pandas**, and **NumPy**, reducing data inconsistencies by 72% and improving data processing time by 47%.
- Ensured **data integrity** and implemented **normalization techniques** during dataset transformation using Python and Pandas, enhancing consistency across relational databases and improving data accuracy by 83%.
- Created insightful visualizations using **Power BI**, leading to a 21% increase in data-driven decision-making efficiency.

Student Performance Prediction
- Utilized various **machine learning** algorithms using **scikit-learn** to predict student performance with an accuracy of 84%, enhancing the ability of educational institutions to forecast student retention
- Developed visualizations using **Matplotlib** to present model results and insights, increasing stakeholder engagement by 28%.

Data Analysis Pipeline Using Generative AI
- Built a data analysis pipeline with tools like Data Robot and ChatCSV, emphasizing analytics, process improvement, and innovation. Utilized Python and business intelligence strategies to meet business objectives and enhance metrics tracking.

CERTIFICATIONS

- Snowflake (Badge 1, Badge 2, Badge 3, Badge 4)
- IBM Data Science Professional Certificate
- Microsoft Power BI Data Analyst
- Generative AI: Prompt Engineering Basics
- Databases and SQL with Python
- Statistics Foundations for Data Analyst

EDUCATION

The University of Texas at Arlington   **Aug 2023 – May 2025**
Master of Science; Major in Computer and Information Sciences   Arlington, TX
- Earned an Impressive CGPA of 3.83, demonstrating proficiency in artificial intelligence and data science skills.

Sastra Deemed University   **Jun 2019 – May 2023**
Bachelor of Technology, Major in Computer Science   Thanjavur, India
- Achieved a CGPA of 8.38 and earned Dean's List honors at SASTRA University, ranking in the top 5% for 2019-2020, highlighting machine learning proficiency and academic excellence.