Pavan Sabnaveesu

📞 **832 274-8181**| ✉ pavansabnaveesu@gmail.com | 🔗 **LinkedIn**

Professional Summary

Skilled Data Analyst adept at harnessing Python, SQL, Big Query , Power BI, and Tableau to uncover insights through customer segmentation, predictive modeling, and impactful dashboards. Excelled in optimizing business strategies and efficiency via ETL pipelines and cross-functional collaboration.

Technical Skills

🧠 **Programming& Databases**:   Python, SQL, R, MySQL, DynamoDB, Snowflake, MS Excel
📊 **Data Visualization& DevOps:** Tableau, Power BI,VBA, Matplotlib, Seaborn, Plotly, ETL Pipelines
🗄 **Data Engineering:**   Kafka, Spark, PySpark, Databricks, dbt, Airflow, Azure, AWS, Salesforce
🤖 **Machine learning:**   NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, XGBoost, Regression

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Work Experience
Professional Experience

Lead Data Analyst, *Cyber Nirvana*   **February 2025 – Present**

- Developed smart agent for customer queries, orders, CTAs, and support tickets by integrating Salesforce data with Agent Space, boosting CSAT by 18% and reducing response times by 30%
- Collaborated cross-functionally with team of business leaders, product managers, technical teams, analysts and data scientists to ensure deliverables align with ROI goals and seamless delivery
- Optimized real-time campaign performance dashboards using SQL, dbt, and Power BI, integrating Agent Space for automated Salesforce data ingestion, reducing analysis time by 35% and increasing conversions by 15%
- Streamlined inventory tracking ETL pipelines with Python, dbt, and Databricks on Big Query, incorporating LLM-driven anomaly detection, cutting stock discrepancies by 20% and saving $1.2M annually

Senior Data Analyst, NEXT ROW Private Limited   ***July 2021 – Dec 2022***

- Managed large datasets using Big Query and Python for customer segmentation, resulting in a 20% increase in customer retention and an 8% improvement in engagement from personalized journeys
- Created customer cohort performance dashboards using SQL, and Power BI to track both in-store and online KPIs, optimizing channel performance by measuring product and category KPIs across campaigns
- Conducted quantitative analysis of customer segmentation and response metrics, shaping retention, reactivation, and engagement strategies aligned with business objectives
- Collaborated proactively with cross-functional teams in launching the latest brands, facilitating seamless data and analytics support, and ensuring the integrity of the automated reporting
- Designed dynamic Power BI dashboards to visualize purchasing trends, revenue insights, and loan delinquency patterns, enhancing credit risk assessment and supporting strategic decision-making

Data Analyst, Meslova Systems Private Limited   ***Sept 2018 - June 2021***

- Reduced ad-hoc reporting requests through automation and self-service Tableau dashboards, enabling data access for cross-functional such as marketing, regional leadership, and store ops teams
- Automated data extraction and transformation workflows using SQL, resulting in 50% reduction in manual reporting time through real-time Tableau dashboard updates
- Streamlined claims processing for a healthcare provider by building ETL pipelines in SQL and Python, reducing data lag by 40% and improving billing accuracy
- Crafted and presented dynamic Power BI dashboards that visualized key trends and metrics from the scraped data, directly supporting business strategies and operational improvements

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Education

Texas A&M University   **CGPA: 3.9/4.0**
Master of Science   January 2023 – Dec 2024
Graduate Research Assistant   February 2023 – Dec 2024

Projects

- Optimized and automated 20+ ETL pipelines using ADF, Databricks, and Airflow, reducing data time by 40% through advanced SQL tuning, indexing, and Spark-based transformations across Data Lake and Synapse
- Developed ARIMA and LSTM models, integrating seasonality and market trend data, enabling live inventory forecasting, optimizing stock levels, and reducing costs by 12.5%