SUSITRA GNANASAMBHANDAM

Data Analyst | BI Analyst | Power BI Developer

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SUMMARY

Data Analyst with strong experience in Power BI, SQL, DAX, and ETL pipelines, delivering scalable dashboards and analytics solutions for business and operational decision-making. Proven ability to translate business requirements into actionable insights, optimize data pipelines, and collaborate with cross-functional stakeholders. Background in data engineering and analytics, supported by a master's in biomedical data science.

EDUCATION

Master of Biomedical Data Science & Informatics, Clemson University 08/2024 – 12/2025
GPA: 3.75/4.0

Bachelor of Biomedical Sciences (Hons.), Sri Ramachandra Institute of Higher Education and Research 08/2019 – 02/2024
GPA: 8.61/10

PROFESSIONAL EXPERIENCE

Data Analyst, Cozy Systems 04/2025 – 12/2025 | Cumming, GA

- Designed and delivered **enterprise Power BI dashboards** supporting **operational and executive reporting,** improving **data visibility** and decision-making.
- Automated **end-to-end SSIS ETL pipelines** integrating **SQL Server, Excel, and APIs**, reducing manual reporting effort by **40%.**
- Developed **DAX measures**, **KPIs, and forecasting dashboards** used by leadership for **data-driven decision-making**.
- Optimized **complex SQL queries** and indexing strategies, **improving query performance** by approximately **30%.**
- **Implemented Row-Level Security (RLS)** and collaborated with cross-functional stakeholders to deliver secure, scalable BI solutions.

SQL/Power BI Developer, Cozy Systems 04/2025 – 12/2025 | Chennai, IN

- Designed and implemented a centralized **SQL Server data warehouse** using **star-schema modelling** to support enterprise analytics.
- Developed **T-SQL stored procedures and SSIS packages** with robust logging and error handling for **reliable data processing**.
- Performed **SQL performance tuning** using **execution plans** and index optimization to **improve query efficiency**.
- Built **optimized semantic models and datasets** enabling scalable enterprise Power BI reporting.
- Supported SDLC activities including **testing, documentation, and production deployments**.

TECHNICAL SKILLS

Business Intelligence: Power BI, Tableau, DAX, Excel Dashboards, Data Modeling
Databases & ETL: SQL, SQL Server, T-SQL, SSIS, SSRS, Data Warehousing, Query Optimization
Programming & Analytics: Python, R, SAS, Statistical Modeling, Data Visualization
Tools & Platforms: Power BI Service (RLS, Publishing), Power Automate, Git, Jira, APIs

PROJECTS

Power BI Sales & Orders Dashboard 08/2024 – 12/2025

- Designed an executive Power BI dashboard analyzing revenue, profitability, customer segments, and time trends.
- Reduced reporting turnaround time **by 35% using optimized DAX measures** and **automated data refresh**.

Python ETL Pipeline – Customer & Sales Data 04/2025 – 08/2025

- Built a production-style Python ETL pipeline to clean, validate, and integrate customer and sales datasets.
- Generated analytics-ready tables to support KPI reporting, segmentation, and Power BI dashboards.

Student Performance Analysis (SAS) 08/2024 – 12/2024

- Conducted end-to-end data analysis using SAS, including data cleaning, regression, and clustering.
- Identified key academic performance drivers and delivered insights through statistical reports and visualizations.

Information Retrieval Evaluation (Python) 04/2025 – 08/2025

- Evaluated document ranking performance using **TF-IDF, Precision@10, and nDCG@10** across synthetic and labeled data.
- Improved evaluation quality **by 28% nDCG@10** by integrating human-corrected relevance judgments.