Ankitha Venkannagari
Data Analyst | Data Engineer
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PROFESSIONAL SUMMARY:

Data Analyst and **Engineer** with 4+ years of experience in designing data solutions, developing **ETL** pipelines, and creating business intelligence dashboards. Proficient in **Power BI**, **Tableau**, **SQL**, **Python** (Pandas), and cloud platforms (**Azure**, **AWS**) for data processing, warehousing (**Snowflake**, **Synapse**), and visualization. Experienced in implementing data models, optimizing queries, and automating workflows to drive data-driven decision making across **Healthcare, Supply chain, HR and Retail** domains. Adept at translating business requirements into technical solutions while ensuring data integrity and performance.

TECHNICAL SKILLS:

Programming Languages	Python, SQL, C, DAX
Databases	MySQL, Microsoft SQL, Oracle, SSMS, Data Modelling, Data Warehousing
Cloud Services	Microsoft Azure, Amazon Web Services, Oracle Cloud Infrastructure
Visualization Tools	Tableau, OBIEE, MS Excel, Power BI
ETL Tools	Oracle Data Integrator, Azure Data Factory, AWS Glue, Power Query.
Data Warehouse	Snowflake, Azure Synapse Analytics
Storage Services	S3, Blob Storage
Frameworks & Libraries	Pandas, NumPy, Statistical Analysis
Development & Collaboration Tools	Git, Jira, Confluence, Visual Studio, Sandbox, Agile
Power Apps	Power Automate
Storytelling	Stakeholder Engagement, Requirement Gathering

WORK EXPERIENCE

Company: Maxil Technology Solutions Inc   **Dec 2024 – Till Date**
Role: Data Analyst   **Chicago, IL**
- Designed and deployed interactive Power BI dashboards for analytics, enabling stakeholders to track key metrics like application volume, candidate pipeline, and trends with 100% data accuracy.
- Translated business requirements into scalable data models using DAX calculations and Power Query transformations, reducing manual reporting efforts by 30%.
- Optimized dashboard performance by refining SQL queries and implementing best practices in data modelling, improving report load time by 40%.
- Built and maintained ETL pipelines using Azure Data Factory (ADF) and processing data from SQL Server, Blob Storage, and external APIs into a centralized data warehouse.
- Implemented data validation checks in Power Query, reducing data inconsistencies by 20% and improving report reliability.
- Developed complex SQL queries for data extraction and transformation, improving query efficiency by 30% through indexing and query tuning.
- Enforced row-level security (RLS) in Power BI to restrict data access by role, improving compliance.

Company: Davita Kidney Care   **June 2024 – Nov 2024**
Role: Healthcare Data Analyst   **Chicago, IL**
- Analyzed healthcare datasets (EHR) to identify trends in kidney care patient populations, treatment efficacy, and operational performance using SQL, and Excel.

- Wrote complex SQL queries to extract, transform, and load (ETL) healthcare data from relational databases for analysis and reporting.
- Developed and maintained interactive dashboards using tools like Power BI to track KPIs related to patient enrolment, retention, and program performance.
- Maintain and update existing reports and dashboards based on changing business needs and data sources.
- Collaborated with cross-functional teams to define analytical needs and deliver data-driven recommendations.
- Automated and optimized reporting processes to reduce manual efforts and improve data accuracy for executive decision-making.

Company: Cognizant Technology Solutions   **Jan 2021 – Dec 2022**
Role: Data Engineer   **Bangalore, India**
- Designed and maintained scalable ETL pipelines using Keystone, SQL, and Python to extract, transform, and load supply chain data from multiple sources into Snowflake, ensuring data accuracy and reducing processing time by 30%.
- Developed and optimized star and snowflake schemas in Snowflake to support demand forecasting, backorder analysis, and inventory turnover ratio calculations, enabling faster reporting.
- Implemented partitioning and clustering strategies to enhance query performance, reducing dashboard refresh times by 40%.
- Leveraged AWS (S3) for scalable data storage and processing, ensuring seamless integration with Snowflake for real-time analytics.
- Optimized data pipelines to handle 10M records daily, supporting high-volume supply chain transactions.
- Built interactive Tableau dashboards to monitor key supply chain metrics such as lead time variability, backorder rates, fill rate, and inventory turnover ratio, helping stakeholders with key insights.
- Conducted root-cause analysis on supply chain disruptions, identifying bottlenecks in procurement and logistics using SQL-driven analytics.
- Implemented data quality checks and error-handling mechanisms in Python-based ETL pipelines to flag discrepancies in inventory records and purchase orders, reducing data correction cycles
- Collaborated with Business team to translate business requirements into technical solutions, ensuring alignment with inventory optimization and demand planning strategies.

Company: Sunshine Technology   **Jan 2020 – August 2020**
Role: Jr. Software Engineer   **Hyderabad, India**
- Designed dynamic OBIEE dashboards to visualize retail KPIs like operating margin, sell-through rate, and basket affinity and enabling stakeholders to identify growth opportunities and optimize pricing strategies.
- Built high-performance SQL scripts extracting data from Oracle DB, MySQL for inventory turnover analysis, reducing query runtime by 25% and accelerating weekly sales reporting.
- Collaborated with cross-functional teams to gather business requirements, translate them into technical specifications, and deliver data-driven solutions aligned with organizational goals.
- Performed data validation, cleansing, and transformation to ensure high-quality data for reporting and analytics, reducing data discrepancies by 15% and enhancing overall data integrity.
- Automated retail reports using ODI, streamlining insights into seasonal demand and supplier performance to reduce excess inventory costs.

EDUCATION

University of Cincinnati, Master of Science, Information Technology | Cincinnati, OH
May 2024

PROJECTS

- **Credit_Card_Transaction_Report**   **[Github]**
  - Designed an interactive Power BI dashboard to analyze credit card transactions, identifying spending patterns, customer segments, and transactional anomalies for strategic insights.
  - Processed raw transaction data by handling inconsistencies, standardizing categories, and optimizing formats using SQL, ensuring reliability for analysis.
  - Created dynamic visualizations, including time-series trends and geospatial mappings, to highlight spending behaviors and potential fraud signals for stakeholder review.
  - Enhanced dashboard usability with interactive filters, tooltips, and drill-down features allowing seamless exploration of transactional data and actionable insights.
- **Inventory_and_Supply_Chain_Management_Analysis**   **[Github]**
  - Developed an end-to-end e-commerce analytics solution using SQL to process transactional data, uncovering trends in customer behavior, sales performance, and inventory demand.

- Cleaned and transformed raw datasets by handling missing values, standardizing formats, and creating calculated metrics to ensure accurate analysis.
- Built an interactive Power BI dashboard featuring dynamic visualizations to highlight top-selling products, peak sales periods, and customer demographics.
- Enhanced usability with filters, tooltips, and drill-down capabilities, enabling stakeholders to explore data granularity and make informed decisions—resulting in sales boost and improved inventory turnover.

CERTIFICATIONS

- **Tableau Fundamentals**
  Issued by Tableau learning | June 2024
- **Data Analysis**
  Issued by LinkedIn and Microsoft | November 2024
- **Hands-on Essentials in Snowflake**
  Issued by Snowflake | August 2024
- **Capstone: Retrieving, Visualizing Data, Programming with Python | Python Data Structures**
  Issued by Coursera | April 2020
- **Become a Linux System Administrator | System Administration and IT Infrastructure Services**
  Issued by Coursera | November 2022

REFERENCES

Available Upon Request