Ankitha Venkannagari
Data Analyst | Data Engineer
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Data Analyst/Engineer with **5** years of hands-on experience designing and delivering **end-to-end analytics** and **data engineering** solutions across diverse industries. Experienced in building scalable **ETL pipelines**, developing and optimizing data warehouses (**Databricks, Fabric**), and creating dimensional **data models** (star schema) to power reliable KPIs and interactive **Power BI** / **Tableau** dashboards. I translate business needs into technical plans—**SQL**, **Python** scripting, **Power Query** dataflows, **DAX** measures and orchestration—while enforcing data quality, process validation, lineage, and governance. Comfortable with **cloud platform** (Azure), performance tuning, and monitoring, I partner with stakeholders to turn ambiguous requirements into measurable business outcomes and continuously improve analytics that drive smarter decisions.

TECHNICAL SKILLS:

Programming Languages	SQL, DAX, Python
Databases	MySQL, PostgreSQL, Microsoft SQL Server
Cloud Services	Microsoft Azure (ADF, Power BI, Databricks, Fabric), Oracle Cloud (ODI, OBIEE)
Visualization Tools	Power BI, OBIEE, MS Excel, Tableau
ETL Tools	Azure Data Factory, Power Query, Oracle Data Integrator
Data Warehouse	Databricks, Microsoft Fabric, Snowflake
Frameworks & Libraries	PySpark, Pandas, NumPy, Statistical Analysis, Matplotlib
Development & Collaboration Tools	Copilot, Git, Jira, Confluence, Visual Studio, Sandbox, Agile, AI
Storytelling	Stakeholder Engagement, Requirement Gathering

WORK EXPERIENCE

Company: Maxil Technology Solutions Inc   **Dec 2024 – Till Date**
Role: Data Analyst   **Chicago, IL**
Project: The project centers on transforming fragmented job platform data into actionable insights to improve recruitment performance and operational strategy.

- Designed and implemented end-to-end **Power BI** solutions from data extraction to automating dashboard delivery, reducing manual reporting efforts by 50%.
- Orchestrated data pipelines with **ADF** to ingest raw data into **Lakehouse**, establishing a reliable and scalable data foundation.
- Transformed raw data into a refined, analytics-ready state by implementing incremental ETL processes and data quality checks using **ADF, Py Spark** and **Fabric**.
- Built the lake house's **Medallion** architecture, processing data through bronze, silver, and gold layers to deliver clean and high-value datasets.
- Collaborated with cross-functional teams to translate business requirements into scalable data models using **Star schema**, **SQL** measures, and **KPI**s, enabling faster decision-making.
- Optimized Power BI dashboards by refining **DAX** queries and implementing best practices in data modelling, improving report load times by 40%.
- Created and managed **Row-level security** for Users and Groups in **Power BI Desktop** and Power BI Service which ensured data access compliance and protected sensitive information.
- Managed **Power BI Service** by monitoring Fabric **metrics**, configuring refresh schedules, creating apps, deploying pipelines, and performing unit testing - improving report reliability by 30%, reducing refresh failures by 40%, and ensuring 100% compliance with security standards.
- Designed and deployed interactive **Dashboards** with Advanced visualizations, enabling users to track KPIs and trends in real-time, improving operational efficiency.
- Maintaining and updating existing reports and dashboards based on changing business needs and data sources changes, which kept stakeholders informed and supported timely decisions.

Company: Davita Kidney Care   **June 2024 – Nov 2024**
Role: Data Analyst   **Chicago, IL**

Project: The project is about automating the collection and analysis of patient data from multiple sources using Power BI to improve monitoring and decision-making in kidney dialysis operations.

- Analyzed **EHR** data from clinical system to create interactive **Power BI** dashboards that visualized patient visit histories, medication administration records, vital signs and laboratory results to improve care coordination and clinical compliance monitoring.
- Performed **EDA** and **Data Profiling** using Excel functions (pivot tables, VLOOKUP, advanced formulas) resulting in a 30% improvement in data processing efficiency.
- Defined, developed and implemented data models to generate meaningful insights and delivered 10+ self-service analytical data visualizations to the business users using Power BI reports.
- Improved the company's overall reporting system by generating monthly reports, effectively communicating business insights, and utilizing business intelligence software to glean insights into trends and prospects.
- Created dynamic **DAX** calculations and custom measures in Power BI to deliver business intelligence metrics, improving report usability by structuring data models with calculated columns and concealing technical fields from end-user views.
- Gathered **business requirements** and collaborated with business teams to enhance data infrastructure, enabling more reliable pipelines and scalable reporting solutions.
- Oversaw **Power BI Service** operations like establishing automated workflows and governance frameworks to ensure seamless data accessibility and reporting reliability.

Company: Cognizant Technology Solutions   **Jan 2021 – Dec 2022**
Role: Data Engineer   **Bangalore, India**

Project: The project is to provide reporting solutions to monitor and analyze inventory data for **Apple**'s mobile division, enabling optimized supply chain operations and stock management.

- Built and managed **ETL** pipelines with **Keystone** and **SQL** to load data into **Snowflake**, ensuring accuracy and boosting efficiency by 30%.
- Developed **SQL queries** using joins, sub queries and correlated sub queries to retrieve data from the database, enhancing data accessibility for reporting.
- Developed and optimized star schemas in **Snowflake** to support analytical reporting, enabling 25% faster data retrieval and insights.
- Created 50+ custom SQL queries in **MySQL** Workbench, delivering clean data sets that powered Tableau dashboards and reduced data-preparation time.
- Developed interactive dashboards in **Tableau Desktop** and published them on **Tableau Server,** enabling end users to quickly access and understand data with on-demand filters
- Participated in team sprints and collaborated with business teams to deliver on business intelligence Projects that shortened reporting turnaround by several days.
- Actively involved in testing new/upgraded features like new **Visualizations, Data Blending**, **Parallelized Dashboard, Hyperlink Objects,** etc. in Tableau 2022.3 desktop - confirming compatibility and improving dashboard performance.

Company: Sunshine Technology   **Sep 2019 – August 2020**
Role: Jr. Software Engineer   **Hyderabad, India**

Project: The project is to provide a reporting and analytics solution to monitor sales, and customer trends for a retail client, enabling data-driven business decisions.

- Assisted in designing **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 SQL scripts for extracting data from **Oracle DB Server** for inventory turnover analysis, reducing query runtime 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.

EDUCATION

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

CERTIFICATIONS

- [Tableau Fundamentals](#) | Issued by Tableau learning
- [Data Analysis](#) | Issued by LinkedIn and Microsoft

REFERENCES

Available Upon Request