

Ankitha Venkannagari
Data Analyst | Data Engineer

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PROFESSIONAL SUMMARY:

Data Analyst and Data Engineer with **5** years of hands-on experience designing and delivering **end-to-end analytics** and **data-engineering** solutions across diverse industries. Proven at 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, Synapse, Power BI, Databricks, Fabric), Oracle Cloud (ODI, OBIEE), AWS(S3)
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
Storytelling	Stakeholder Engagement, Requirement Gathering

WORK EXPERIENCE

Company: Maxil Technology Solutions Inc

Dec 2024 – Till Date

Role: Data Analyst

Chicago, IL

Description: The project is about analysing user engagement, job postings, and candidate interactions on a professional networking platform to generate insights for product optimization and business growth.

- Designed and implemented end-to-end **Power BI** solutions from data extraction to automating dashboard delivery, reducing manual reporting efforts by 50%.
- Orchestrated end-to-end data pipelines with **ADF** to ingest raw data into **Azure Data Lake Gen2**, 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 **PySpark** and **Databricks**.
- 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**, **DAX** measures, and **KPIs**, enabling faster decision-making.
- Optimized Power BI dashboards by refining **SQL** 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.
- Scheduled and managed automated data refreshes in **Power BI Service**, ensuring users always access the most up-to-date and consistent data.
- Designed and deployed interactive **Dashboards** with Advanced visualizations, enabling users to track KPIs and trends in real-time, improving operational efficiency.
- Maintain and update existing reports and dashboards based on changing business needs and data sources.

Company: Davita Kidney Care

June 2024 – Nov 2024

Role: Data Analyst

Chicago, IL

Description: 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.

- Tuned and optimized various complex **SQL queries**, enhancing **data ingestion**, querying, **processing**, and **analysis** of big data
- Performed **Data Analysis** and **Data Profiling** using complex SQL on various sources systems, achieving a 30% improvement in processing efficiency.
- Gained hands-on experience writing and optimizing SQL queries to extract data and generate **insightful reports**.
- 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**.
- **Used DAX functions** for the creation of calculations and measures in **Power BI Desktop**. Added required measures, calculated columns, keeping unnecessary columns hidden from reporting view in Power BI application.
- Gathered **business requirements** and collaborated with users, project managers, and SMEs to enhance understanding of business processes, leading to more effective data solutions
- Developed story telling dashboards in **Power BI Desktop** and published them on to **Power Bi service**, allowing end users to understand the data on the fly with the usage of quick filters for on demand needed information.

Company: Cognizant Technology Solutions

Jan 2021 – Dec 2022

Role: Data Engineer

Bangalore, India

Description: The project is to provide a reporting solution 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 to prepare the right data sets for Tableau dashboards.
- 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.
- Actively involved in testing new/upgraded features like new **Visualizations, Data Blending, Parallelized Dashboard, Hyperlink Objects**, etc. in Tableau 2022.3 desktop.

Company: Sunshine Technology

Sep 2019 – August 2020

Role: Jr. Software Engineer

Hyderabad, India

Description: 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
- Capstone: Retrieving, Visualizing Data, Programming with Python | [Python Data Structures](#)
Issued by Coursera

REFERENCES

Available Upon Request