Ankitha VenkannaGari

Data Engineer | Data Analyst
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PROFESSIONAL SUMMARY:

Innovative Data Analyst and Engineer with expertise in transforming raw data into actionable insights using cutting-edge technologies like **Power BI**, **Azure Data Factory**, **Snowflake**, and **Python**. Adept at designing scalable data models, optimizing ETL pipelines, and crafting dynamic visualizations with **Tableau** & Power BI. Skilled in **SQL**, **DAX**, **PySpark**, and cloud platforms (**Azure**, **AWS**, **OCI**), with a strong foundation in **Data Warehousing**, **Automation**, and **IoT**. Passionate about leveraging AI-driven analytics, cloud-native solutions, and **Agile** methodologies to drive efficiency and innovation. Collaborative problem-solver with experience across Retail, Supply-chain, and smart systems, blending technical depth with strategic business acumen.

TECHNICAL SKILLS

Programming Languages	Python, SQL, C, DAX
Databases	MySQL, MS-SQL, Oracle, NoSQL, Data Modelling, Data Warehousing
Cloud Services	Microsoft Azure, Amazon Web Services, Oracle CloudInfrastructure
Visualization Tools	Tableau, OBIEE, MS Excel, Power BI
ETL Tools	Oracle Data Integrator, Azure Data Factory
Data Warehouse	Snowflake, Teradata, Azure Synapse Analytics, Power Query
Storage Services	S3, Blob Storage, Data Lake Gen2
Frameworks & Libraries	Pandas, NumPy, Matplotlib, Statistical Analysis, PySpark
Development & Collaboration Tools	Git, GitHub, Jira, Confluence, Visual Studio, Sandbox, Agile
Web Technologies	IoT, HTML, MATLAB, Arduino IDE, CSS

WORK EXPERIENCE

Company: Maxil Technology Solutions Inc   **May 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 95% 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 Synapse, processing data from SQL Server, Blob Storage, and external APIs into a centralized data warehouse.
- Automated weekly data refreshes, ensuring near real-time data availability for stakeholders and reducing manual intervention.
- Implemented data validation checks in Power Query, reducing data inconsistencies by 20% and improving report reliability.
- Managed Azure cloud resources, including Synapse SQL pools and Blob Storage, optimizing costs by 15% while maintaining performance.
- Developed complex SQL queries for data extraction and transformation, improving query efficiency by 30% through indexing and query tuning.
- Implemented error-handling frameworks in ADF with Azure Monitor alerts, decreasing pipeline failures.
- Enforced row-level security (RLS) in Power BI to restrict data access by role, improving compliance with organizational data policies.

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

- Developed and optimized stored procedures in Teradata and Snowflake for comprehensive business analysis, enabling faster and more accurate data insights for stakeholders.
- Designed and implemented a Python-based automation solution for data migration processes, reducing manual effort by 60% and cutting operational costs by 25%.
- Migrated and transformed legacy Teradata procedures into Snowflake, improving query performance by 35% and ensuring seamless integration between the two platforms.
- Utilized AWS S3 for efficient data storage and loading into Snowflake using Python scripts, streamlining data ingestion processes and reducing latency by 20%.
- Analysed, optimized, and debugged existing SQL procedures, resulting in a 30% improvement in execution time and enhanced system reliability.
- Created interactive Tableau dashboards and reports to visualize key business metrics, enabling data-driven decision-making and improving stakeholder satisfaction by 20%.
- Automated repetitive data tasks using Python, saving 10+ hours per week and enabling the team to focus on higher-value analytics projects.
- Integrated AWS S3 with Snowflake to create a scalable and cost-effective data storage solution, reducing storage costs by 20% through efficient data lifecycle management.
- Collaborated with business teams to design Tableau visualizations that translated complex data into actionable insights, improving reporting efficiency by 25%.
- Documented and maintained technical processes for data migration, ETL workflows, and Tableau dashboards, ensuring knowledge sharing and team scalability.

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

- Developed and maintained interactive dashboards and reports using OBIEE (Oracle Business Intelligence Enterprise Edition) to deliver actionable insights, enabling data-driven decisions.
- Designed and optimized complex SQL queries scripts to extract, transform, and analyze large datasets from Oracle databases, ensuring data accuracy and performance efficiency.
- 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.

Company: National Skill Training Institute   **Jun 2019 – August 2019**
Role: IoT Engineer Intern   **Hyderabad, India**

- Gained hands-on experience in developing and deploying IoT solutions using platforms such as Arduino, Raspberry Pi, and ESP8266/ESP32.
- Programmed microcontrollers in C and Python to collect sensor data and control actuators, enhancing device functionality.
- Implemented projects like smart home automation and environmental monitoring systems, leveraging sensors for real-time data processing and analysis.

EDUCATION

University of Cincinnati, Master of Science, Information Technology | Cincinnati, OH
April 2024
Relevant Courses (Human Computer Interaction, Cyber-Security, Advance Storage Technologies, Tech for mobile applications, System Administration, Cloud Computing**)**

PROJECTS

- **Tokyo Olympics Analytics**   **[Github]**
  - Designed and implemented an end-to-end data engineering pipeline using Azure services to analyze Tokyo Olympics 2021 data.
  - Automated data extraction from APIs and integrated data workflows with Azure Data Factory.
  - Transformed and processed large data sets using Azure Databricks with Scala for scalable data analysis.
  - Stored processed data in Azure Synapse Analytics for efficient querying and reporting using SQL queries.
  - Developed interactive Power BI dashboards to visualize performance metrics and trends.
- **British Airways Reviews Using Tableau**   **[Github]**
  - Designed an interactive Tableau dashboard to analyze more than 1,000 customer evaluations from British Airways (Kaggle) to spot important problems and visualize satisfaction trends.
  - Handled missing values, created calculated fields, and standardized data formats to clean and prepare the dataset for more thorough analysis.

- With the aim to properly display consumer satisfaction and trends, a comprehensive dashboard featuring interactive visualizations—such as bar charts and line graphs—was designed.
- Added interactive elements, such as tooltips and drop-down menus, to enhance the user experience and enable in- depth data analysis.

CERTIFICATIONS

- **Power BI Data Analyst Associate**
  Issued by Microsoft | April 2025
- **Azure Fundamentals**
  Issued by Microsoft | February 2025
- **AWS Cloud Quest**
  Issued by Amazon Web Services | September 2024
- **AWS Academy Cloud Security Foundations**
  Issued by Amazon Web Services | November 2023
- **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