Ankitha Venkannagari
Data Engineer | Data Analyst
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PROFESSIONAL SUMMARY:

Results-driven Data Engineer with **4** years of experience in designing, implementing, and optimizing data solutions across cloud platforms like **Microsoft Azure**, **AWS**, and **Oracle Cloud Infrastructure (OCI)**. Proficient in automating **ETL pipelines** using **Azure Data Factory** and **Oracle Data Integrator**, managing scalable workflows with **Snowflake**, and designing robust **data models** to support advanced analytics. Skilled in orchestrating **data warehousing** and creating insightful visualizations using **Tableau**, **Power BI**, and **OBIEE** to empower data-driven decision-making. Adept at scripting with **Python** and **SQL** to enhance data accuracy, streamline operations, and improve system performance. Experienced in managing cloud storage solutions like **Azure Data Lake** and **Blob Storage** and collaborating effectively using **Git/GitHub**. Committed to delivering scalable, efficient, and innovative data solutions that drive business success.

TECHNICAL SKILLS

Programming Languages	Python, SQL, C
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 (DAX, Power Query)
ETL Tools	Oracle Data Integrator, Azure Data Factory
Data Warehouse	Snowflake, Teradata, Azure Synapse Analytics
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   **April 2025 – Till Date**
Role: Data Engineer   **Chicago, IL**

Company: Generic Solutions   **May 2024 – April 2025**
Role: Data Engineer   **Dallas, Texas**
- Designed and implemented scalable end to end ETL pipelines using Azure Data Factory (ADF) and SQL, reducing data processing time by 30% and improving data accuracy by 20%.
- Developed and maintained data models and dashboards in Power BI, enabling stakeholders to make data-driven decisions and improving reporting efficiency by 25%.
- Optimized SQL queries and Azure Synapse workflows, resulting in a 15% reduction in query execution time and cost savings on cloud resources.
- Managed and orchestrated data ingestion from multiple sources into Azure Data Lake and Blob Storage, ensuring 99.9% data availability and reliability.
- Automated data validation and cleansing processes using Python and Power Query, reducing manual effort by 40% and improving data quality.
- Secured sensitive data by integrating Azure Key Vault for credential management, ensuring compliance with data security standards and reducing risk of breaches.
- Created interactive dashboards and reports using DAX and Power BI, resulting in a 30% increase in user engagement and actionable insights.

- Deployed and managed reports on Power BI Service, enabling seamless sharing and collaboration across teams, and reducing report access latency by 40% through optimized workspace configurations.
- Collaborated with cross-functional teams using Agile Scrum and Jira, delivering data solutions on time and boosting team productivity by 20%.

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: 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   **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