Ankita Reddy

D a t a   E n g i n e e r | D a t a   A n a l y s t

ankithareddy1331@gmail.com | 513-338-9595 | www.linkedin.com/in/reddy-ankita

Professional Summary!

Success-Driven **Data Engineer** with 3+ years of experience specializing in **data processing**, **ETL**, and **cloud integration** across platforms like **AWS** and **Oracle Cloud Infrastructure**. I excel in streamlining data workflows using **Python** (**Pandas**, **NumPy**), **SQL**, and **Snowflake**, enhancing data reliability and reducing processing times. Proficient in ETL tools such as **Oracle Data Integrator** (ODI), and I drive efficiency by implementing automated solutions, achieving up to a 40% reduction in manual operations. My expertise includes **data warehousing** (Snowflake, **Teradata**), **data modeling**, and **visualization** with **Tableau** and **OBIEE**, enabling impactful, real-time insights. Skilled in IoT, data security, and data visualization, I'm committed to delivering robust, data-driven solutions that empower business success.

Technical Skills

Programming Languages	Python (Libraries, Modules, Pandas, NumPy), SQL, C.
Databases	MySQL, Oracle, Data Modelling, Data Warehousing
Cloud Services	Amazon Web Services, Oracle Cloud Infrastructure, Azure
Visualization Tools	Tableau, OBIEE, MS Excel
ETL Tools	Oracle Data Integrator
Data Warehouse	Snowflake, Teradata
Version Control	Git, GitHub, Azure Devops
Tools and Technologies	IoT, HTML, MATLAB, Arduino IDE, CSS.

Work Experience

Company: Generic Solutions   **May 2024 – Till Date**
Role: Data Engineer   **Dallas, Texas**

- Assist in designing and building **ETL** pipelines using **SQL** and **Python** to facilitate data ingestion, transformation, and loading into **Snowflake**, promoting data accuracy and reliability.
- Leverage AWS services like **S3** for storing, retrieving, and managing data in preparation for loading into Snowflake, helping streamline data handling and cloud storage efficiency.
- Apply basic data masking and transformation techniques under guidance to ensure data security and compliance, safeguarding sensitive data throughout data processes.
- Work closely with teams to integrate data into **Tableau** dashboards, providing real-time data visualization that supports data-driven decision-making for business users.

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

- Developed stored procedures for comprehensive business analysis, enhancing business logic execution and reducing data processing time by 30%.
- Designed and implemented a **Python**-based automation solution for the data migration process, leading to a 40% reduction in manual efforts and associated operational costs.
- Transformed **Teradata** procedures into optimized Snowflake procedures, improving execution speed by 25% and ensuring seamless integration between platforms.
- Utilized **AWS S3** for data storage and retrieval, streamlining the process of loading data into **Snowflake** and reducing data retrieval times by 20%.
- Analyzed and optimized existing procedures, identifying enhancements and fixing bugs to improve performance and

maintainability, resulting in a 15% reduction in runtime errors.

- Executed **ETL** pipelines to extract data from Teradata, perform transformations, and load it into Snowflake, enhancing data consistency and accuracy.
- Applied data masking and transformation techniques to ensure data security and compliance, protecting sensitive information across various data flows.
- Resolved data conversion issues between Teradata and Snowflake, including handling case sensitivity and datatype mismatches, which improved data integrity and reduced errors.
- Collaborated with cross-functional teams to integrate data flows into downstream **Tableau** dashboards, enabling real-time data visualization for business users.
- Maintained and documented stored procedure logs to monitor performance and troubleshoot issues, contributing to a 20% reduction in system downtime.

Company: Sunshine Techno Systems   **June 2020 – August 2020**
Role: Software Engineer (Internship)   **Hyderabad,**
India

- Designed and implemented **ETL** processes using Oracle Data Integrator (ODI) 12c, creating mappings, models, and data stores to handle data from Oracle Developer source and target tables.
- Built and optimized data warehouse structures, including fact and dimension tables, using **SQL** to support data retrieval and reporting needs.
- Managed **ODI** interfaces, performed reverse engineering of data models, and verified data tables and attributes to ensure accuracy and integrity.
- Used **OBIEE** to generate dashboards according to business requirements.

Company: National Skill Institute Training   **May 2019 – July 2019**
Role: IoT 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

Relevant Courses (Human Computer Interaction, Cyber-Security, Advance Storage Technologies, Tech for mobile applications, System Administration, Cloud Computing)   **April 2024**

Projects

British Airways Review 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.

Cricket Analysis Using Snowflake   **[Github]**

- Completed a detailed data engineering project with the goal of utilizing Snowflake to create a real-time analytics pipeline for cricket data using SQL queries.
- Creating a tiered architecture for data transformation, importing raw JSON data into Snowflake, and constructing a data warehouse with dimensions and facts for reporting were all part of the project.
- Used tasks and SQL to analyze and schedule data effectively.

- Relevant cricket analytics with the use of Snow sight dashboards for visualizing insights.
- Enhanced query performance and guaranteed data accuracy, which helped in making wise decisions.

Certifications

- 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