

# Ankita Reddy

## Data Engineer



[ankithareddy1331@gmail.com](mailto:ankithareddy1331@gmail.com) | 513-338-9595 | [www.linkedin.com/in/reddy-ankita](https://www.linkedin.com/in/reddy-ankita)

### Professional Summary

Success-Driven **Data Engineer** with **3.5+** years of experience specializing in **data Processing, ETL, and Cloud Integration** across platforms like **Azure, 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

<b>Programming Languages</b>	Python (Libraries, Modules, Pandas, NumPy), SQL, C.
<b>Databases</b>	MySQL, Oracle, Data Modelling, Data Warehousing
<b>Cloud Services</b>	Amazon Web Services (S3, EC2), Oracle Cloud Infrastructure, Azure (ADF, Blob storage)
<b>Visualization Tools</b>	Tableau, OBIEE, MS Excel
<b>ETL Tools</b>	Oracle Data Integrator, Azure Data Factory
<b>Data Warehouse</b>	Snowflake, Teradata
<b>Version Control</b>	Git, GitHub.
<b>Tools and Technologies</b>	IoT, HTML, MATLAB, Arduino IDE, CSS.

### Work Experience

**Company: Generic Solutions**

**May 2024 – Till Date**

**Role: Data Engineer**

**Dallas, Texas**

- Utilized **Azure Data Factory (ADF)** to ingest data from various sources, including APIs, flat files, and external databases, ensuring smooth data integration and flow across systems.
- Automated **ETL** pipelines to process raw data, reducing processing time by 40% and improving data accuracy and efficiency.
- Configured and managed **Azure Data Lake** and **Azure Blob Storage** for storing raw and processed data, optimizing storage costs by 30%.
- Integrated and transformed data from multiple sources to generate actionable insights, improving reporting speed by 35%.
- Designed and developed interactive dashboards and reports in **Power BI** to visualize key performance metrics and trends, empowering stakeholders to make data-driven decisions.

**Company: Cognizant Technology Solutions**

**Jan 2021 – Dec 2022**

**Role: Data 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**

**Jan 2020 – August 2020**

**Role: Software Engineer**

**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.
- Developed and managed **ODI** interfaces, performed reverse engineering of data models, and validated data tables and attributes to ensure data accuracy and integrity.
- Used **OBIEE** to generate dashboards according to business requirements.

**Company: National Skill Institute Training**

**June 2019 – Aug 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