

# Nandha Kishore



Data Engineer

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## PROFESSIONAL SUMMARY

I'm a Data Engineer proficient in SQL, Snowflake, Python. I handle end-to-end data integration, from extracting data from APIs and FTP servers, staging them in cloud storages like AWS S3 buckets and transforming and converting them into structured CSV's and Queryable Tables and also ensuring efficiency and data quality throughout. Strong analytical and problem-solving skills and ability to stay current with emerging technologies and industry trends. A collaborative team player with excellent communication skills and an ability to understand business needs and deliver timely and accurate data solutions.

## SKILLS

Snowflake

SQL

Python

Data Warehousing

Git Hub

Problem Solving

## EXPERIENCE

### DATA ENGINEER, Hyderabad, Telangana

Internship at Tiger Analytics, August 2023–Present

- As a Data Engineer, successfully developed and managed ETL processes.
- Automated multi-source data extraction from Cloud Storage buckets, API Servers, SFTP Servers, incorporating **Python's Multithreading, Multi-processing** features for optimal concurrency, cutting down processing time by **14 hours**.
- Streamlined transformation of **JSON data to CSV** leveraging Python's and Snowflake's Flatten Functions for **Snowflake warehouse ingestion**, enhancing data portability and accessibility.
- Conceptualized and Developed a **dynamic DQ Framework** which leverages Complex Snowflake Queries, reducing manual effort of data profiling time from **16 hours to 30 minutes**. This entailed comprehensive checks and compliance with business constraints.
- Developed an ETL audit and logging framework using **Snowpark, Even Tables and Python** that automatically sends out alerts based on severity level, ensuring data accuracy and minimizing errors.
- Developed advanced SQL scripts for data analysis, reduced report generation time by **40% through optimization of long running SQL queries** and efficient use of temporary tables and CTEs, Clustering and MV's.
- Python libraries such Pandas, Openpyxl, xlswriter, snowflake.connector, Json, Shutil, OS, RE, SYS, concurrent.futures were used.
- Snowflake Concepts like **Clones, Streams, Time-Travel, Snowpark(Python), UDF's, Stored Procedures, Complex Regex** were implemented.

## EDUCATION

### BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE, Tripura, Agartala

National Institute of Technology Agartala, May 2024