Ch. N.S.D.PARVATHY

Azure Data Engineer

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Hyderabad 🏠

SUMMARY

Experienced Data Engineer with approx. 2 years of expertise in Azure Data Factory, Microsoft SQL Server, and Snowflake. Proficient in designing, deploying, and managing data pipelines, ensuring seamless data integration and transformation. Skilled in troubleshooting ADF pipelines, optimizing SQL queries, and implementing data warehousing solutions. Strong understanding of identity protection, access management, and hybrid cloud environments.

EDUCATION

Masters in Computer Applications 2019-22
V. R. Siddhartha Engineering College (Affiliated by JNTUK)

Bachelors in Statistics 2016 – 2019
K.B.N College

Intermediate in MEC   2014 - 2016
Sri Chaitanya Junior College

Secondary Schooling   2013 - 2014
R.T.V High School

SKILLS

- **Data Engineering**: ETL pipeline development, data modeling, data warehousing, performance tuning, and database optimization.

- **Azure Data Services:** Azure Data Factory, Azure Data Lake Storage, Azure Functions, Azure SQL Database, Azure Blob Storage, Azure Virtual Machines.

- **SQL & Database Management:** SQL Server, Snowflake, database design, stored procedures, indexing, query optimization, and performance tuning.

- **Data Orchestration & Integration:** Activity dependencies in ADF, orchestrating data from multiple sources into Snowflake, SSMS, understanding architecture diagrams data models, and data flows. Power BI – basic report creation and visualization.

CERTIFICATIONS

- **Azure Data Fundamentals (DP900)**
  Microsoft Credential ID - 994025051

- **SNOW PRO CERTIFICATION**
  CREDENTIAL ID - 50021648

DECLERATION

I hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

CH. N.S.D. Parvathy.

PROFESSIONAL EXPERIENCE

Jr. Data Engineer | Anblicks Vijayawada
May 15, 2022 – Jan 24,2024
Azure Data Engineering & ETL Development

- Designed and developed ETL pipelines using Azure Data Factory to ingest and transform data from multiple sources.
- Orchestrated data movement from on-premises, cloud, and third-party systems into snowflake.
- Implemented data transformations, aggregations, and cleansing in ADF & SQL to optimize reporting performance.
- Monitored and troubleshot pipeline failures, optimizing performance & cost efficiency.

Project: Snow IOT
Objective: Develop a real – time vehicle data pipeline to process sensor – generated telemetry data and assess insurance risk using Snowflake and Azure resources, with interactive visualizations in streamlit.

Technology Stack: Snowflake (Snow pipe), Kafka, Azure Event Hub.

Key Responsibilities:

- **Real Time Data Ingestion**:
  Captured vehicle telemetry data from IOT sensors.
  Used Kafka to stream data into Azure Event Hub and ingested it into snowflake via snow pipe.

- **Data Processing & Transformation**:
  Created Bronze, Silver, and Gold layers in Snowflake for structured processing.
  Flattened nested JSON data for downstream analytics.

- **Automation & Resource Provisioning:**
  Setup Azure Virtual Machines and other Azure resources to support data processing.
  Developed python scripts to simulate and generate random vehicle telemetry data for testing.