**SAI RAMANA**

**Phone: (**913)-666-5919 **| Email:** [Sramanaa19@gmail.com](mailto:Sramanaa19@gmail.com) **| LinkedIn:** [http://www.linkedin.com](http://www.linkedin.com/in/sairaman)

**Summary**

* **3 years** of hands-on experience in designing, building, and maintaining data infrastructure and pipelines
* Proficient in **ETL processes**, including data extraction, transformation, and loading across diverse data sources.
* Skilled in using **Python** and **SQL** to build data pipelines and perform data analysis.
* Experienced with **Azure Data Factory**, **Databricks**, **Synapse Analytics**, Cosmos DB for **ETL** and data processing, with knowledge of **Medallion architecture.**
* Proficient in designing analytics-optimized **star and snowflake schema data models**, structured with a central fact table for metric aggregations, supplemented by extended normalized dimension tables (snowflake approach) to minimize redundant join operations.
* Adept at optimizing data workflows, improving data quality, and ensuring data integrity.
* Skilled developer with extensive experience in utilizing **GitHub** for version control and team collaboration.
* Strong collaboration and communication skills, working with cross-functional teams to meet data requirements

**Experience**

**BCBS, TX**

**Role:** Data Engineer August 2023 - Present

* Developed and maintained ETL pipelines using **Azure Data Factory**, ensuring seamless data extraction, transformation, and loading from diverse data sources to target systems.
* Leveraged **Azure Databricks** with **Apache Spark** to process, clean, and enrich real-time data streams, delivering actionable insights on customer behavior patterns and engagement metrics.
* Designed and maintained scalable data storage solutions in **Azure Data Lake Storage**, organizing both raw and processed data for efficient querying and analysis.
* Utilized **Azure Synapse Analytics** to perform advanced data aggregation and analytics, providing marketing and analytics teams with real-time insights into customer journey patterns.
* Created dynamic **Power BI** dashboards to visualize key customer behavior trends, enabling marketing optimization and data-driven decision-making.

**Sarag Systems, India**

**Role:** Data Engineer January 2021 – July 2022

* Engineered efficient SQL queries and scripts for data manipulation utilizing complex **DDL, DML, joins, subqueries, window functions, triggers, CTEs, Views, packages, functions, and stored procedures** to optimize database operations.
* Demonstrated expertise in establishing scalable and reliable data pipelines, **ETL** (Extract-Transform-Load) processes, and scheduling workflows for seamless data integration.
* Architected **batch and streaming data** pipelines leveraging diverse technologies including SSIS, Sqoop, Apache Kafka, Hive, Spark, Hadoop, and Power BI for comprehensive data processing solutions.
* Developed dimensional data models and star schema data marts, implementing Slowly Changing Dimensions (**SCD**) and Change Data Capture (**CDC**) processes to effectively track historical changes.
* Executed thorough data profiling and cleansing operations using **Python scripts and SQL queries** to ensure data quality and integrity.
* Designed and implemented Slowly Changing Dimensions (**SCD**) logic through SQL methodologies to effectively handle data mutations in dimensional modeling.

**Certification**

**Microsoft Certified:** [Azure Data Engineer Associate](https://learn.microsoft.com/api/credentials/share/en-us/SaiRamanaVodnala-7152/F2C8E015B9D2C269?sharingId=E4F15A3027180782)

**Education**

**Master’s:** Computer Science, University of Central Missouri, Lees Sumit, Missouri.

**Bachelor’s:** Computer Science, Jyothishmathi Institute of Technology and Science, Karimnagar, Telangana.

**Skills**

**Big Data Technologies**: Apache Spark, Hadoop, Kafka, Hive, HBase

**Cloud Platforms**: Azure (Azure Data Factory, Azure Synapse Analytics, Databricks, Cosmos DB), AWS,GCP.

**Data Warehousing**: Snowflake, Google Big Query, Star/Snowflake Schema Design, Data Lakes

**ETL & Data Pipelines**: Azure Data Factory, Apache Nifi, Databricks, Experience with transformation, data cleansing, and orchestration

**Programming Languages**: Python, Scala, SQL, Spark SQL

**Data Modeling**: Star and Snowflake Schema, Data Warehousing Concepts, Medallion Architecture

**Native Languages:** Telugu, Hindi.