Saniya Sayyed

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Education

University of Texas at Arlington (CGPA - 3.64/4)	**Jan 2022 - Dec 2023**

Masters of Science in Information Systems

University of Mumbai **(CGPA - 7.8/10)**	**July 2013 - May 2017**

Bachelor of Engineering in Information Technology

Skills

Languages: SQL; Python; VB Script; PowerShell;
Cloud Technologies: Azure (Data Factory, Synapse Analytics, Stream Analytics, ADLS Gen2); AWS (RDS, S3, Lambda)
Tools and Services: Informatica Cloud IICS; ETL; Teradata; Tableau; PowerBI; Jenkins; Github; JIRA; Unix; Databricks;

Experience

Data Engineer	**Teradata**	**(August 2017 - Jan 2022)**

- Implemented data pipelines to process datasets from sources like Oracle, SQL Server, Excel and external API's, to load into the Teradata database. Developed new ETL tasks and enhanced performance of existing processes and SQL queries.
- Performed root cause analysis to resolve production issues. Automated pre-processing tasks by using VB, PowerShell scripting and creating Excel macros that reduced manual workload by up to 85%.
- Created dashboards in Power BI and Tableau for KPIs & other metrics as per business requirements.
- Experienced in project phases using Agile, version controlling using GitHub and job management using JAMS scheduler.
- Knowledge of open-source technologies for big data like Apache Hadoop, Hive, Spark, Impala, HDFS, YARN.

Projects

- **Library Asset Tracking - University of Texas at Arlington** **(2023)**
  - Developed ETL pipelines in Azure Data Factory for UTA Library to assess the borrowing data of books utilizing cloud services like Azure Blob Storage and Azure SQL DB. Generated concise monthly reports in Power BI.
- **Airline Project - Teradata** **(2021-2022)**
  - Used Azure Event Hubs to ingest real-time flight data from aircraft telemetry systems. Integrated Azure Stream Analytics to analyze the incoming data at 5-min intervals and ingest the data into Azure Blob Storage as JSON files.
  - Transformed and flattened the JSON to CSV using Azure Data Factory (ADF) and ingested data into Teradata Vantage to analyze and predict potential disruptions in flights. Integrated Logic Apps in ADF to send email alerts.
- **Transcend Finance - Teradata** **(2019-2021)**
  - Developed new ETL jobs based on business requirements in Informatica Cloud (IICS), Linux and worked on enhancements to existing processes. (Python/VB/PowerShell).
  - Developed Teradata BTEQ and stored procedures using OLAP functions and maintained history using SCD Type 2.
  - Worked with Data Modeler and performed impact analysis to design new tables and optimize the existing ones.
- **EDW Data Migration Project - Teradata** **(2017-2018)**
  - Migrated ETL jobs from SAP BODS to Informatica Cloud environment. Designed and developed mappings in IICS as per existing BODI jobs' requirement.
  - Resolved various compatibility issues between the different tools and types of data sources. Created ad-hoc financial reports for users using SAP Business Objects.

Achievements

- **Azure Data Engineer Associate Certification (DP-203)**
- **Databricks Lakehouse Fundamentals Certified**
- **Teradata 16 Vantage Certified Professional**
- **Employee of the Quarter - Delivery Excellence Q2 2020**