# SUSMITHA ARIKATLA

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# SKILLS

**Data Visualization**: Tableau, Looker, Power BI, Qlik Sense, Looker

**Programming Languages**: Python, R

**Azure Technologies:** Azure Synapse, Azure ADLS Gen 2, Azure Data Factory, Azure SQL, Data Lake, Databricks

**Databases**: MySQL, SQL Server, PostgreSQL, Azure ML Studio, Oracle, Snowflake

**Big Data Technologies:** Apache Spark, Apache Kafka, Apache Airflow, Hadoop, Apache HiveQL **Cloud Platforms**: AWS, Azure, GCP

**Tools**: Git, Docker, Microsoft Office Suite, DAX, Power Query, SSIS, Informatica, Alteryx,Matillion

**CERTIFICATIONS**

Snowflake SnowPro Core Certified

Machine Learning

Data Visualization using Tableau

# WORK EXPERIENCE

**Data Engineer |** ATVS *Oct 2023*- *Present*

* Managed AWS tools, including CloudWatch and CloudTrail, to monitor and track cloud resources and activities.
* Implemented user versioning in S3 buckets for highly sensitive data storage.
* Integrated AWS DynamoDB with AWS Lambda to manage data storage and backup through DynamoDB streams.
* Installed and configured Apache Airflow for AWS S3 buckets and created Directed Acyclic Graphs (DAGs) for workflow automation.
* Developed scripts for automating data ingestion processes using PySpark and Scala, connecting to various sources, including APIs, AWS S3, Teradata, and Redshift.
* Migrated on-prem Informatica ETL processes to AWS cloud and Snowflake.
* Employed Spark streaming for dividing streaming data into batches and processing them in the Spark engine.
* Proficient in building Snowpipe and experienced in Data Sharing within the Snowflake Database, Schema, and Table structures.
* Migrated on-prem Informatica ETL processes to AWS cloud and Snowflake.
* Expertise in migrating existing databases from on-premises to AWS Redshift using various AWS services.
* Created, modified, and executed DDL in AWS Redshift and Snowflake tables for data loading.
* Monitored resources and applications using AWS CloudWatch, including setting up alarms to track metrics for EBS, EC2, ELB, RDS, S3, and SNS, with customized notifications.

**Data Science – Teaching Assistant |** University of Houston *Aug 2022*- *May 2023*

* Highlighted the utilization of various software tools including Excel, Power BI, R, Tableau to demonstrate the implementation of data science techniques and machine learning models.

**Data Analyst** | Freelance *Jan 2019 – Dec 2021*

* Utilized advanced Excel functions, including data formatting, Pivot tables, V-lookup, and dashboard creation to streamline data representation and enhance decision-making processes.
* Executed SQL queries against current databases to derive meaningful insights and generated analytical reports to support data-driven decision-making.
* Applied Agile methodology throughout the project lifecycle, actively participating in weekly and daily release management activities.
* Designed and implemented Tableau dashboards, incorporating calculated fields, parameters, calculations, groups, sets, and hierarchies to effectively communicate critical Key Performance Indicators (KPIs) to senior management.

**Project Planning & Implementation Engineer** | **Tata Communication** *Apr 2015 – May 2017*

* Authored project plans that include project scope, timelines, budget, and resource requirements.
* Coordinated with vendors, contractors, and other stakeholders to ensure that projects are executed according to plan.
* Monitored project progress and adjustments as necessary to keep projects on track.
* Maintained clear and consistent communication with stakeholders throughout the project, including clients.
* Achieved 95% of project deliverables on time with zero budgetary overruns and within scope.

# PROJECT EXPERIENCE

**Construction Safety Analysis using OSHA Dataset** *Apr 2023*

# Optimization of SVM Classifier using Kernel and Ensemble Techniques *Dec 2022*

**EDUCATION**

**MSc in Data Science** | University of Houston | Houston, Texas | GPA: 3.6 *May 2023*

* Awards & Scholarships: Dean’s Honors List, Engineering Dean’s Master Scholarship, Masters Competitive Scholarship