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#### **ACQUIRED SKILLS**

- Outline the unique and differentiated architecture of the Snowflake AI Data Cloud.
- Load and transform data.
- Summarize query constructs, DDL, and DML operations.
- Use Snowflake's extensive SQL capabilities for data analysis.
- Describe how user and application access can be easily managed.
- Apply Snowflake's recommended best practices for working with semi-structured data.
- Discuss Snowflake's unique approach to caching.
- Implement the options provided to connect and interact with the Snowflake AI Data Cloud.
- Employ Snowflake's continuous data protection features.
- Utilize data sharing to send your data in real-time to Customers and Partners.
- Scale your Virtual Warehouses to improve performance and address concurrency needs.
- Explain the different ways you can manage and monitor your Snowflake account.
- Summarize Snowflake's AI and ML capabilities.

### WHO SHOULD ATTEND

- Data Analysts
- Data Engineers
- Data Scientists
- Database Architects
- Database Administrators

### PREREQUISITES

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- Snowflake Structure
- Using Snowsight
- Storage Layer
- Compute Layer
- Cloud Services Layer
- Snowgrid

## **Connecting to Snowflake**

- Connection Options
- SnowSQL
- Visualizations in Snowsight

#### **Data Protection Features**

- Cloning
- Time Travel
- Fail-safe

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• Introduction to Replication

#### **SQL Support in Snowflake**

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- Query Profile
- SQL Performance Tips

#### **Data Loading and Unloading**

- Data Loading Objects
- Data Loading Process
- Transformations and Copy Options
- Data Loading Recommendations
- Continuous Data Loading
- Unloading Data

## Functions, Procedures, and Snowflake Scripting

- User-defined Functions
- Stored Procedures
- Snowflake Scripting

#### Using Tasks, Streams, and Dynamic Tables

- Tasks Overview
- Creating Tasks
- Managing Tasks
- Streams Overview
- Dynamic Tables Overview

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#### **Semi-structured Data**

- Overview
- Query Semi-structured Data

## **Introduction to Data Sharing**

- Snowflake Data Sharing Overview
- Shares

## Virtual Warehouse Scaling

- Types of Virtual Warehouse Scaling
- Auto-scaling Policies

## **Cost Management**

- Overview
- Visibility
- Control
- Optimization

# Introduction to Snowflake AI and ML

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