SNOWFLAKE GENAI

ONE-DAY COURSE

25C021

OVERVIEW

In this one-day course, participants will delve into the GenAI capabilities within Snowflake. This course empowers participants to integrate capabilities into their regular analytical workflows. Even without being a Data Scientist or a Machine Learning engineer, they will be able to extract insights at scale, interact with applications using natural language, drive coding productivity, and generate new content. The participants should walk away with experience leveraging these capabilities in different scenarios within the Snowflake training environment. This course consists of lectures, demos, labs, and discussions.

ACQUIRED SKILLS

- Summarize the GenAI capabilities of Snowflake for Enterprise AI.
- Explain how to work with Snowflake Cortex (Document AI, Copilot, Cortex Analyst, Cortex Search).
- Define enterprise AI governance considerations.
- Describe Snowflake's recommended best practices for GenAI and cost management.

WHO SHOULD ATTEND

- Administrators
- Application Developers
- Data Analysts
- Data Engineers
- Data Scientists
- Snowflake users who want to fast-track GenAI adoption

This course is not persona-specific; however, participants should have the skills outlined in the prerequisites section.

PREREQUISITES

- Basic knowledge of SQL is required.
- Foundational knowledge of databases is recommended.
- Completion of "Snowflake Foundations" one-day course or equivalent Snowflake knowledge.
- Completion of on-demand Modules – Snowflake x Gen AI: A Cool Collab, Snowflake X GenAI: LLM Functions.

DELIVERY FORMAT

Instructor-led Public or Private classes are available.

TOPICS COVERED

GenAI

- What is GenAI?
- Large Language Models (LLMs)
- AI Data Cloud Capability
- Cortex Fine Tuning
- Cross-region Support
- REST APIs
- Running LLMs on Snowpark Container Services

Cortex LLM Functions

- Cortex LLM Functions Overview
- Task-specific LLM Functions
- General LLM Functions
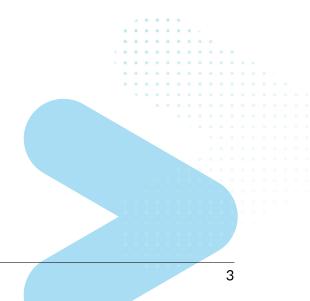- Prompt Engineering

Snowflake Copilot

- What is Snowflake Copilot?
- Usage Guidelines

Cortex Search

- What is a Cortex Search?
- Cortex Search Use Cases
- Cortex Search Workflow
- Cortex Search Service
- Using Cortex Search

Cortex Analyst

- What is Cortex Analyst?
- Cortex Analyst Use Cases
- Cortex Analyst Compared with Snowflake Copilot
- How To Get Started?
- Semantic Model
- Usage Guidelines

Cortex Agents

Document AI

- What is Document AI?
- Getting Started with Document AI
- Using Document AI

Security and Governance

- Security and Governance
- Governance Controls
- Guardrails in Snowflake
- GenAI Feature Governance
- Auditing and Monitoring

Cost Management

- Cortex Meter Usage
- Tracking Costs
- Guidelines for Effective Cost Control