

DP - 3028-A : Implement Generative AI engineering with Azure Databricks

Course Outline

Get started with language models in Azure Databricks

Modules

- Introduction
- Understand Generative AI
- Understand Large Language Models (LLMs)
- Identify key components of LLM applications
- Use LLMs for Natural Language Processing (NLP) tasks
- Exercise - Explore language models
- Module assessment
- Summary

Implement Retrieval Augmented Generation (RAG) with Azure Databricks

Modules

- Introduction
- Explore the main concepts of a RAG workflow
- Prepare your data for RAG
- Find relevant data with vector search
- Rerank your retrieved results
- Exercise - Set up RAG
- Module assessment
- Summary

Implement multi-stage reasoning in Azure Databricks

Modules

- Introduction
- What are multi-stage reasoning systems?
- Explore LangChain
- Explore LlamaIndex
- Explore Haystack
- Explore the DSPy framework
- Exercise - Implement multi-stage reasoning with LangChain
- Module assessment