

DECODE AZURE COGNITIVE SEARCH

Course Overview

Introduction :

- Start your Hugging Face - Generative AI journey today

What You'll Learn :

- Understanding of Hugging Face Platform
- Explore different models, Datasets, documents and ecosystem
- Play with Pipelines

Highlights :

- Course Duration - 2 days (16 Hours)
- Number of Modules - 10

Prerequisites:

- Basic understanding of Python programming
- Familiarity with natural language processing concepts is recommended
- No prior experience with Hugging Face is required

NOTE :

- Some experience with programming is suggested.
 - Azure experience is required.
 - Student/Client will be provided access to Azure Pass only during the training days
 - The hands-on labs will provide practical experience with setting up
 - Hands-on Approach
 - This course can be customised based on the audience's prior knowledge and specific areas of interest.
-

Course Curriculum

MODULE 1: Introduction to Azure Cognitive Search

- **What is Azure Cognitive Search?**
- **Overview of the service**
- **Key features and capabilities**
- **Use cases and applications**

MODULE 2: Elements of a Search Solution

- **Understanding the search index**
- **Defining and managing data sources**
- **Indexers and skillsets**
 - Hands on : Understand indexes

MODULE 3: Building an Index - indexer

- **Introduction to indexers**
- **Creating and configuring an indexer**
- **Indexing data from various sources**
- **Use an indexer to build an index**
- **Persist enriched data in a knowledge store**
 - Hands on : Create an index in the Azure portal

MODULE 4: Building an Index - knowledge store

- **Understanding the knowledge store**
- **Persisting enriched data in a knowledge store**
- **Creating an index in the Azure portal**

MODULE 5: Basic Querying Data

- **Basics of querying data in Azure Cognitive Search**
- **Formulating search queries**
- **Using OData expressions for filtering, sorting, and pagination**
- **Query data in an Azure Cognitive Search index**
 - Hands on : - Explore knowledge mining

MODULE 6: Advanced Querying Data

- **Advanced querying techniques**
- **Full-text search capabilities**
- **Scoring profiles and tuning relevance**

MODULE 7: Implementing Knowledge Mining with Azure Cognitive Search - Part 1

- **Introduction to knowledge mining**
- **Understanding the enrichment pipeline**
- **Creating and configuring skill sets**
 - Hands on : How to implement knowledge mining with Azure Cognitive Search

MODULE 8: Implementing Knowledge Mining with Azure Cognitive Search - Part 2

- **Advanced skills in the enrichment pipeline**
- **Knowledge mining best practices**
- **Troubleshooting common issues**

MODULE 9: Advanced Concepts

- **Field Mapping, Synonym Map, Suggestions API, Filters, and Facets**
- **Using incremental caching using high watermark**
 - Hands on : Using incremental caching using high watermark
 - Hands on : Training on Azure Cognitive Search from Microsoft and other third-party training providers

MODULE 10: Hands-on Training and Q&A

- **Hands-on exercises on all topics covered**
- **Q&A session to address any doubts or questions**

Happy learning! □