

DA660: AI and Vector Search

OEM: MongoDB • Code: DA660

COURSE DESCRIPTION

This fundamental level course introduces vector searching, the relevant basic concepts, and how to use Atlas Vector Search for tasks such as semantic search and image matching. Understanding these concepts enables you to leverage and contribute to the cutting-edge technologies revolutionizing the way we interact with AI systems. Students will put their knowledge into practice by building a small image search website.

AUDIENCE PROFILE

- This training workshop is intended for developers who have completed the Developer Foundation courses and are using MongoDB Atlas.

PREREQUISITES

- MDB100: MongoDB Database and Security
- MDB200: MongoDB Optimization and Performance
- MDB300: MongoDB Production Readiness
- DEV400: MongoDB Developer Extension

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Vectors and vector searching
- Approximate Nearest Neighbours (ANN) Search
- Hierarchical Navigable Small Worlds (HNSW) Algorithm
- Text Embeddings and Chunking Techniques
- Atlas Vector Search applications
- MongoDB's applications as a Vector Database
- Atlas Vector Nodes

COURSE OUTLINE