
Agentic AI for Oracle AI Database Professional

Artificial intelligence applications are evolving rapidly, and organizations need professionals who can build intelligent, scalable, and secure AI solutions. In this course, you will learn how to use Oracle AI Vector Search to create semantic search experiences, develop Retrieval-Augmented Generation (RAG) applications, build and secure Select AI Agents, integrate the Autonomous Database (ADB) MCP Server with AI tools, and create custom agents using Private Agent Factory. Through a combination of lessons, hands-on practices, and demonstrations, you will work with vector embeddings, similarity search, vector indexes, OCI Generative AI services, agent development frameworks, and MCP integrations. By the end of the course, you will have practical experience building modern AI applications and autonomous agents that leverage Oracle Database and OCI AI services.

Benefits to you

- Explain Oracle AI Vector Search concepts, embeddings, and semantic search.
- Perform vector similarity searches and optimize retrieval using vector indexes.
- Implement hybrid search strategies to improve search accuracy and performance.
- Build Retrieval-Augmented Generation (RAG) applications using Oracle AI Vector Search and OCI Generative AI.
- Create and manage embeddings to support semantic retrieval use cases.
- Develop RAG workflows using SQL, PL/SQL, and DBMS_VECTOR_CHAIN.
- Create and manage Select AI Agents for enterprise use cases.
- Configure and use the ADB MCP Server to integrate AI tools and agents.
- Build custom agents using Oracle Private Agent Factory.
- Apply Oracle AI Database capabilities to develop intelligent search, retrieval, and agent-driven solutions.