# Google Develop Search and Agents with AI Applications

## Varighed: 1 Day  Kursus Kode: GO8337  Leveringsmetode: Company event (Firmakursus)

## Beskrivelse:

**In this course, you learn how to use Vertex AI Search and Conversational Agents to create search engines and chat applications.**

You will learn how to leverage Vertex AI Search for grounding your gen AI-powered applications. You will then explore how to integrate these search engines and chat applications into your own applications. Finally, you learn how to use the agents built in AI Applications in multi agent workflows
**Products:**
- Gemini
- AI Applications
- Vertex AI

*Updated August 2026*

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

## Målgruppe:

- Customers

## Agenda:

- **After this course participants should be able to:**
- Explore the options in Vertex AI for generative AI.
- Identify the role of AI Applications: Search, Recommendations, and Agents.
- Examine use cases for Vertex AI Search and Agents.
- Create enterprise-grade generative AI applications with AI Applications.
- Choose the appropriate engine for a search or conversation app.
- Import data into a data store.
- Create and configure a custom search app.
- Identify why grounding is important.
- Leverage Retrieval-Augmented Generation (RAG).
- Use grounding options on Google Cloud.
- Test grounding using the Vertex AI Studio and SDK.
- Create conversational agents.
- Manage conversations with playbooks.
- Use examples to improve a playbook's response.
- Leverage data store tools to perform grounding for your playbook's responses.
- Explore the features and benefits of the Agent Development Kit (ADK).
- Accelerate agent development with Agent Garden.
- Use ADK to build multi-agent applications.
- Leverage a Data Store tool from an ADK agent.

## Forudsætninger:

Knowledge of generative AI basic concepts and programming knowledge (Python)

## Test og certificering

None

## Yderligere Kurser:

None

## Indhold:

Module 1: Vertex AI and AI Applications

- Vertex AI for generative AI
- AI Applications: Search, Recommendations, and Agents
- Use cases for Vertex AI Search and Agents

Module 2: Vertex AI Search

- Basic concepts: apps, engines, and data stores
- Data sources and preparing data
- Creating a data store
- Configuring Vertex AI Search
- Deploy Vertex AI Search

Module 3: Grounding Applications

- Why is grounding important?
- Retrieval Augmented Generation (RAG)
- Grounding options on Google Cloud
- Testing grounding in Vertex AI Studio
- Grounding using the Vertex AI SDK

Module 4: Conversational Agents

- Customer Engagement Suite (CES)
- Deterministic vs. generative agents
- Playbooks
- Data store tools

Module 5: Multi-agent Applications on Vertex AI

- Multi-agent applications and agentic AI
- Introduction to Agent Developer Kit (ADK)
- Vertex AI Agent Garden
- Vertex AI Agent Engine
- Putting it all together with AI Applications

## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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