

Google Generative AI in Production

Varighed: 1 Day Kursus Kode: GO8338 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

Traditional MLOps is a set of practices to productionize traditional ML systems for enterprise applications. Generative AI raises new challenges in managing and productionizing applications at scale. The field of generative AI operations seeks to address these new challenges.

In this course, you learn about the challenges that arise when deploying and productionizing generative AI-powered applications. You learn how to secure your generative AI-powered applications. Finally, you will discuss best practices for logging and monitoring your generative AI-powered applications in production.

Products:

- Vertex AI

Updated August 2026

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Målgruppe:

Developers, DevOps engineers and machine learning engineers who wish to operationalize GenAI-based applications

Agenda:

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| ■ After this course participants should be able to: | ■ Maintain and update LLM models |
| ■ Understand generative AI operations | ■ Test and evaluate gen AI-powered apps |
| ■ Compare traditional MLOps and GenAIOps | ■ Deploy CI/CD pipelines for gen AI-powered apps |
| ■ Analyze the components of an LLM system | ■ Identify security challenges for gen AI applications |
| ■ Define and compare RAG and ReAct | ■ Understand prompt security issues |
| ■ Evaluate application deployment options | ■ Apply sensitive data protection and DLP API |
| ■ Deploy, package, and version apps | ■ Implement Model Armor |

Forudsætninger:

Completion of the "Application Development with LLMs on Google Cloud" or equivalent knowledge.

Test og certificering

None

Yderligere Kurser:

None

Indhold:

Module 01: Introduction to Generative AI in Production

- Generative AI operations
- Traditional MLOps vs. GenAIOps
- Components of an LLM system
- RAG/ReAct architecture

Module 02: Generative AI Application Deployment

- Application deployment options
- Deployment, packaging, and versioning
- Lab: Deploying an Agentic Application on Cloud Run

Module 03: Productionizing Generative AI

- Maintenance and updates
- Testing and evaluation
- CI/CD pipelines for gen AI-powered apps
- Lab: Tracking Versions of Generative AI Applications

Module 04: Securing Generative AI Applications

- Security challenges
 - Prompt security
 - Sensitive Data Protection and DLP API
 - Model Armor
 - Lab: Securing Generative AI-Powered Applications
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Flere Informationer:

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

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