

Generative AI Essentials on AWS

Course Benefits & Agenda



Overview

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Course Benefits

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Agenda

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Overview

In this course, you will learn about the fundamental concepts, methods, and strategies for using generative AI. You will gain a solid understanding of use cases where generative AI can provide solutions and address business needs. Additionally, you will learn about practical insights into technologies related to generative AI and how you can use those technologies to solve real-world problems. By the end of the course, you will explore project planning and how to discuss implementation of generative AI in your organization.

Course Benefits

This course teaches you how to:

- Summarize generative AI concepts, methods, and strategies
 - Discuss the appropriate use of generative AI and machine learning and their technologies
 - Describe how to use generative AI responsibly and safely
 - Recognize the types of generative AI solutions with specific use cases
 - Explain implementation and project planning of generative AI to your organization
- Describe the AWS Well-Architected Framework

Agenda

Day 1

Module	Topic
Module 1	Introducing Generative AI
Demo	Generative AI solution
Module 2	Exploring Generative AI Use Cases
Module 3	Essentials of Prompt Engineering
Lab 1	Optimizing Slogan Generation with Amazon Bedrock
Module 4	Responsible AI Principles and Considerations
Lab 2	Implementing Responsible AI Principles with Amazon Bedrock Guardrails
Module 5	Security, Governance, and Compliance
Module 6	Implementing Generative AI Projects
Demo	Amazon Q Business
Module 7	Integrating Generative AI into the Development Lifecycle
Capstone	Creating a Project Plan with Generative AI