

AI and Machine Learning on AWS

COURSE OVERVIEW

This course provides a comprehensive introduction to artificial intelligence (AI) and machine learning (ML) using Amazon Web Services (AWS). Participants will explore AWS's powerful suite of AI/ML tools and services, including Amazon SageMaker, AWS AI APIs, and data engineering solutions that simplify building, training, and deploying models at scale. Through hands-on labs, real world use cases, and guided demonstrations, participants will gain the knowledge and skills to leverage AWS for automating workflows, extracting insights from data and accelerating innovation in their organizations.

WHO SHOULD ATTEND?

This course is designed for data scientists, developers, cloud practitioners, business analysts, IT professionals, and decision makers who want to understand how to apply AI and ML solutions on AWS. It is also suitable for professionals looking to expand their skills in cloud-based machine learning, as well as organizations seeking to empower their teams with practical, scalable AI/ML applications.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the core concepts of AI and ML and their practical applications on AWS.
- Gain hands-on experience with Amazon SageMaker for building, training, and deploying ML models.
- Integrate AWS AI services such as Rekognition, Comprehend, and Lex into applications.
- Apply best practices for data preparation, model optimization, and deployment at scale.
- Develop the ability to evaluate and choose appropriate AWS ML services for business needs.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Basics of AI and machine learning concepts and workflows.
- How to run end-to-end machine learning projects on AWS.
- Hands-on experience with SageMaker, Comprehend, and Rekognition.
- How to process data, engineer features, and tune deep learning models.
- How to build, train, and deploy machine learning models securely.
- Exposure to AWS AI devices like DeepLens and DeepRacer.
- Introduction to generative AI and large language models on AWS.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded