

## Cloud AI with AWS & Azure

### COURSE OVERVIEW

Cloud AI with AWS & Azure introduces participants to how AI solutions are built, deployed, and scaled on the two leading cloud platforms, focusing on practical use of services like AWS SageMaker and Azure Machine Learning for model development, automation, and deployment. The course equips professionals to create real-world machine learning and generative AI applications using cloud-native tools, manage data and infrastructure efficiently, and apply best practices for performance, governance, and cost optimisation in multi-cloud environments. Upon completion, participants will be able to design, deploy, and manage AI workloads efficiently across multi-cloud environments while ensuring governance, performance, and cost optimization.

### WHO SHOULD ATTEND?

This course is ideal for IT professionals, cloud engineers, data scientists, machine learning engineers, software developers, and technical managers who want to build and deploy AI solutions using AWS and Azure. It also suits digital transformation leads, DevOps practitioners, and analysts seeking practical skills in cloud-based AI workflows, automation, and multi-cloud integration for real-world business applications.

### COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Navigate the core AI service portfolios of both AWS and Azure, identifying the right tool for each task.
- Implement pre-built AI capabilities (computer vision, natural language, speech) using services like AWS Rekognition and Azure Cognitive Services.
- Build, train, and deploy custom machine learning models using AWS SageMaker and Azure Machine Learning.
- Architect end-to-end MLOps pipelines for automated model training, deployment, and monitoring.
- Design hybrid and multi-cloud AI strategies to leverage the unique strengths of each platform.
- Implement best practices for security, governance, and cost management in cloud AI projects.

### KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- The core AI services and tools available on AWS and Azure cloud platforms.
- How to design, develop, and deploy AI solutions using AWS SageMaker and Azure Machine Learning.
- Integration of AI APIs for vision, speech, language, and decision tasks in cloud applications.
- Use of Azure Cognitive Services and AWS AI APIs to build intelligent app features quickly.
- Managing and scaling AI workloads securely on cloud infrastructure.
- Leveraging Azure OpenAI Service and AWS generative AI for advanced content creation and automation.
- Best practices for optimizing AI solutions within enterprise cloud ecosystems for performance and cost efficiency.

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