

AWS Discovery Days – Machine Learning Basics

Course Duration: 4 Hours

Course Code: AWS- DD-MLB

1. Course Overview

The AWS Discovery Days – Machine Learning Basics course is designed to introduce participants to the core concepts of machine learning and how AWS services can be leveraged to build, train, and deploy machine learning models. This session provides a foundational understanding of machine learning principles, use cases, and the AWS ecosystem that supports machine learning workloads.

2. What You'll Learn?

- The fundamentals of machine learning concepts and terminology
- An introduction to supervised and unsupervised learning techniques
- How AWS services like Amazon SageMaker help build, train, and deploy ML models
- Key machine learning use cases and applications across industries
- Best practices for getting started with machine learning on AWS

3. Target Audience

This course is intended for:

- Business and technical decision-makers exploring the potential of machine learning
- IT professionals and solution architects new to machine learning
- Developers and data enthusiasts interested in understanding ML basics with AWS

- Anyone looking to explore how AWS supports machine learning adoption

4. Pre-Requisites

- Basic understanding of cloud concepts (recommended)
- No prior machine learning experience required
- Familiarity with AWS services is helpful but not mandatory

5. Course Content

Module 1: Introduction to Machine Learning

- What is Machine Learning?
- Key concepts and terminology
- Common ML use cases

Module 2: Types of Machine Learning

- Supervised, Unsupervised, and Reinforcement Learning
- Real-world examples and applications

Module 3: Machine Learning on AWS

- Overview of AWS ML services
- Introduction to Amazon SageMaker
- Other AWS AI/ML tools and services

Module 4: Building and Deploying Models with AWS

- Steps in the ML lifecycle
- Training and deploying models using AWS services
- Demo/Walkthrough of basic ML workflow

Module 5: Best Practices and Next Steps

- Key considerations when starting with ML
- How to explore AWS training and certification paths
- Resources for further learning

