

# AWS Certified AI Practitioner Training Course

AWS Certified AI Practitioner is a foundational certification validating skills in building, deploying, and operating artificial intelligence and machine learning models on AWS.

 AIML-101

## Course Outcomes

### Professional, practical, & hands-on live instructor-led training

Start as a beginner and graduate as a certified professional, with the skills, experience, and job-search know how to get your career started.

 Start Today

### Potential Career Tracks

AI Solutions Architect

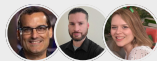
Machine Learning Engineer

Cloud AI Developer

AWS Cloud Practitioner

Data Analyst

AI/ML Specialist



Taught by Industry Veterans & World Class Instructors

## Introduction to AWS Certified AI Practitioner

### Course Overview

The AWS Certified AI Practitioner Training Course at Intellectual Point equips you with the foundational knowledge and practical skills required to become proficient in artificial intelligence (AI) solutions using AWS services. This comprehensive course prepares you for the AWS Certified AI Practitioner certification exam, while also ensuring you acquire hands-on experience in working with machine learning (ML) and AI tools on the AWS platform. Whether you are new to AI or seeking to formalize your skills, this course covers essential AI concepts and AWS solutions applicable to real-world scenarios.

Throughout the training, you will explore AI and ML fundamentals, AWS AI services, model deployment, and more. You will engage in practical labs and exercises to reinforce your understanding of AWS AI tools, enabling you to develop and deploy AI solutions effectively. By the end of the course, you'll be ready to pass the certification exam and confidently apply your AI skills in various business applications.

### Obtainable Skills

Understanding of AI and ML Concepts

Proficiency in AWS AI Services

Model Development and Deployment Skills

Cloud-Based Solution Design

AWS Tools Utilization

Data Analysis and Interpretation

Natural Language Processing

Computer Vision Implementation

AI Model Evaluation

## Course Insights

### Audience Profile

This course is ideal for aspiring AI practitioners, IT professionals, and data enthusiasts eager to explore AI capabilities using leading cloud technologies. It is tailored for individuals with basic familiarity with AWS and an interest in developing AI-driven solutions to enhance business processes. Suitable for data analysts, engineers, and developers who want to leverage cloud-based AI applications, this course is also beneficial for professionals seeking certification in AI on AWS to boost their credentials and career prospects. Participants should have a keen interest in AI innovation and how it can be applied in various industries.

### Course Outcomes

By the end of this course, participants will:

1 Develop and deploy AI solutions using AWS services effectively.

2 Understand and apply fundamental AI and machine learning concepts.

3 Demonstrate proficiency with AWS AI tools for various business applications.

4 Design AI-driven models and deploy them on the AWS platform seamlessly.

5 Prepare for and successfully pass the AWS Certified AI Practitioner exam.

Module by Module Learning *Outline*

6 Modules

## Module 1: Introduction to AI and Machine Learning Concepts

## Learning Objectives:

- Understand the basics of AI and machine learning principles.
- Differentiate between various types of learning including supervised and unsupervised.

## Topics Covered

## Fundamentals of AI:

- Definition and history of artificial intelligence.
- Key areas of AI application in modern industries.

## Basics of Machine Learning:

- Key components and types of machine learning.
- Overview of the machine learning lifecycle.

## Module 2: Exploring AWS AI Services

## Learning Objectives:

- Gain proficiency in AWS AI services.
- Learn how to navigate and utilize AWS AI tools for solution development.

## Topics Covered

## Introduction to AWS AI Services:

- Overview of available AWS AI services and tools.
- Setting up an AWS account and basic console navigation.

## Exploring Key AWS Services:

- Introduction to Amazon Rekognition, Polly, and Comprehend.
- Capabilities and use cases of AWS AI services.

## Module 3: AI Model Development and Deployment

## Learning Objectives:

- Develop skills in building and deploying AI models on AWS.
- Understand model evaluation and improvement strategies.

## Topics Covered

## Developing AI Models:

- Best practices for model training and tuning.
- Selection of appropriate algorithms for AI solutions.

## Deploying AI Models:

- Steps for deploying models using AWS Lambda and SageMaker.
- Monitoring and evaluating model performance.

## Module 4: Designing CloudBased AI Solutions

## Learning Objectives:

- Design effective AI driven solutions using AWS technologies.
- Learn to integrate AI solutions into cloudbased infrastructures.

## Topics Covered

## Cloud Solution Architecture:

- Principles of designing scalable cloudbased AI solutions.
- Integrating AI models into cloud services.

## Building Business Applications:

- Case studies of AI applications in business settings.
- Best practices for implementing AI solutions in industry.

## Module 5: Preparing for the AWS Certified AI Practitioner Exam

## Learning Objectives:

- Gain insights into the AWS AI Practitioner exam structure.
- Develop strategies for effective exam preparation and success.

## Topics Covered

## Exam Overview:

- Structure and content of the AWS Certified AI Practitioner exam.
- Key topics and question types to anticipate.

## Study and Exam Strategies:

- Tips and resources for study preparation.
- Practice exercises and sample questions.