AI+ Cloud

Category: AI, Data & Analytics | **Vendor:** AI Certs

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	AI+ Cloud
Related Exam:	AI+ Cloud

Course Overview

Utilize the transformative power of AI within cloud environments with our AI+ Cloud certification course. This intermediate-level course is designed for Cloud Architects, Engineers, and IT professionals who aspire to master the integration of AI with cloud computing. This course will provide you with practical skills in AI cloud computing, data management, and the application of AI in real-world scenarios. You'll gain insights into optimizing cloud infrastructure to better support AI functionalities and manage large-scale AI deployments. Led by industry experts, this course offers hands-on experience with cutting-edge AI and cloud technologies. You will learn through a series of real-world use cases and projects that simulate the challenges and opportunities of AI in cloud computing. This training will equip you with the knowledge to lead AI initiatives and drive digital transformation in your organization.

About This Course

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Who Should Attend

Cloud Developer

Prerequisites & Entry Requirements

General Prerequisites:

A foundational understanding of key concepts in both artificial intelligence and cloud computing, Fundamental understanding of computer science concepts like programming, data structures, and algorithms, Familiarity with cloud computing platforms like AWS, Azure, or GCP, Basic knowledge of mathematics as it important for machine learning, which is a core component of AI+ Cloud program

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course Objectives

- Enhance Efficiency
- Scalability and Flexibility
- Intelligent Insights and Decision Making
- Enhanced Security and Compliance
- Seamless Integration and Collaboration
- Cost Optimization
- Customer Experience Enhancement
- Continuous Improvement and Innovation

Detailed Course Outline

- Fundamentals of Artificial Intelligence (AI) and Cloud

  Introduction to AI and Its Application Overview of Cloud Computing and Its Benefits Benefits and Challenges of AI-Cloud Integration

- Introduction to Artificial Intelligence

  Basic Concepts and Principles of AI Machine Learning and Its Applications Overview of Common AI Algorithms Introduction to Python Programming for AI

- Fundamentals of Cloud Computing

  Cloud Service Models Cloud Deployment Models Key Cloud Providers and Offerings (AWS, Azure, Google Cloud)

- AI Services in the Cloud

  Integration of AI Services in Cloud Platform Working with Pre-built Machine Learning Models Introduction to Cloud-based AI tools

- AI Model Development in the Cloud

Building and Training Machine Learning Models Model Optimization and Evaluation Collaborative AI Development in a Cloud Environment

- Cloud Infrastructure for AI

Setting Up and Configuring Cloud Resources Scalability and Performance Considerations Data Storage and Management in the Cloud

- Deployment and Integration

Strategies for Deploying AI Models in the Cloud Integration of AI Solutions with Existing Cloud-Based Applications API Usage and Considerations

- Future Trends in AI+ Cloud Integration

Introduction to Future Trends AI Trends Impacting Cloud Integration

- Capstone Project

Exercise 1: Diabetes Prediction Using Machine Learning Exercise 2: Building & Deploying an Image Classification Web App with GCP AutoML Vision Edge, Tensorflow.js & GCP App Engine Exercise 3: How to deploy your own ML model to GCP in 5 simple steps. Exercise 4: Google Cloud Platform Custom Model Upload, REST API Inference and Model Version Monitoring Exercise 5: Deploy Machine Learning Model in Google Cloud Platform Using Flask

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Cloud Service Models Cloud Deployment Models Key Cloud Providers and Offerings (AWS, REST API Inference and Model Version Monitoring Exercise 5: Deploy Machine Learning Model in Google Cloud Platform Using Flask

, Optional Module: AI Agents for Cloud Computing, Fundamentals of Artificial Intelligence (AI) and Cloud, Introduction to Artificial Intelligence, Fundamentals of Cloud Computing, AI Services in the Cloud, AI Model Development in the Cloud, Cloud Infrastructure for AI, Deployment and Integration,

Certification Path

AI+ Cloud

Exam: AI+ Cloud

Additional Course Details

Nexus Humans AI+ Cloud training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward. This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AI+ Cloud course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for AI+ Cloud?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AI+ Cloud course helps prepare you for the AI+ Cloud certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI+ Cloud official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day AI+ Cloud course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI+ Cloud training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI+ Cloud?

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Cloud. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AI+ Cloud, AI Certs, vILT

Q: Why choose Nexus Human for AI+ Cloud?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AI+ Cloud training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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