



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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CODE:	LENGTH:	PRICE:
EDU-AIC-AT-110	8 Hours (1 day)	\$495.00

Description

Transform Cloud Computing with Cutting-Edge AI integration Cloud-AI Fusion: Learn to integrate AI into scalable cloud environments Advanced Infrastructure: Master CI/CD, cloud AI models, and deployment strategies Capstone Project: Gain hands-on experience with real-world applications Future-Ready Skills: Prepares professionals to lead AI-powered cloud innovation

Objectives

Leverage AI for Smarter Leadership Decisions: Learn how to harness AI tools to streamline operations, enhance strategic planning, and drive performance. Enhance AI Integration Across the Organization: Use AI to accelerate the integration of AI-driven solutions, automating processes. Stay Ahead in AI-Driven Innovation: As demand for AI expertise rises, Chief AI Officers with advanced AI knowledge are highly sought after to spearhead AI. Boost Strategic Decision-Making with AI Analytics: Master AI models to analyze business data, predict outcomes, and enable more informed, real-time decisions. Advance Your Career in AI Leadership: With AI reshaping industries, this certification equips you with the skills needed to lead AI initiatives.

Audience

Cloud Professionals: Enhance your cloud management skills by integrating AI to optimize cloud performance, improve resource utilization. Cloud Architects & Engineers: Learn to leverage AI to design scalable cloud infrastructures, automate cloud provisioning, and enhance security. IT Infrastructure Managers: Use AI to optimize cloud deployment, automate system management, and improve cloud security and disaster recovery planning. Business Leaders: Drive innovation in your organization by adopting AI in cloud technologies to enhance scalability, reduce costs, and optimize cloud solutions. Students & Fresh Graduates: Gain a competitive edge in the cloud computing field by mastering AI tools and techniques that are revolutionizing cloud infrastructure.

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 is important for machine learning, which is a core component of AI+ Cloud Practitioner™ program.

Program

Course Overview Course Introduction Module 1: Fundamentals of Artificial Intelligence (AI) and Cloud 1.1 Introduction to AI and Its Application 1.2 Overview of Cloud Computing and Its Benefits 1.3 Benefits and Challenges of AI-Cloud Integration Module 2: Introduction to Artificial Intelligence 2.1 Basic Concepts and Principles of AI 2.2 Machine Learning and Its Applications 2.3 Overview of Common AI Algorithms 2.4 Introduction to Python Programming for AI Module 3: Fundamentals of Cloud Computing 3.1 Cloud Service Models 3.2 Cloud Deployment Models 3.3 Key Cloud Providers and Offerings (AWS, Azure, Google Cloud) Module 4: AI Services in the Cloud 4.1 Integration of AI Services in Cloud Platform 4.2 Working with Pre-built Machine Learning Models 4.3 Introduction to Cloud-based AI tools Module 5: AI Model Development in the Cloud 5.1 Building and Training Machine Learning Models 5.2 Model Optimization and Evaluation 5.3 Collaborative AI Development in a Cloud Environment Module 6: Cloud Infrastructure for AI 6.1 Setting Up and Configuring Cloud Resources 6.2 Scalability and Performance Considerations 6.3 Data Storage and Management in the Cloud Module 7: Deployment and Integration 7.1 Strategies for Deploying AI Models in the Cloud 7.2 Integration of AI Solutions with Existing Cloud-Based Applications 7.3 API Usage and Considerations Module 8: Future Trends in AI+ Cloud Practitioner™ Integration 8.1 Introduction to Future Trends 8.2 AI Trends Impacting Cloud Integration Module 9: Capstone Project 9.1 Applying AI and Cloud Concepts to Solve a Real-world Problem Optional Module: AI Agents for Cloud Computing 1. Understanding AI Agents 2. Case Studies 3. Hands-On Practice with AI Agents

Session Dates

On request. Please [Contact Us](#)

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)