



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

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CODE:	LENGTH:	PRICE:
EDU-AIC-AT-320	8 Hours (1 day)	\$495.00

Description

Deep AI Expertise: Covers neural networks, NLP, and computer vision frameworks Enterprise AI: Learn to design scalable AI systems for real-world impact Capstone Integration: Build, test, and deploy advanced AI architectures Industry Preparedness: Equips you for roles in high-demand AI design domains

Objectives

Architecture Professionals: Enhance your architectural design skills by integrating AI to create scalable, efficient, and intelligent systems for modern solutions. Systems Architects & Engineers: Learn to leverage AI to design and build sophisticated, scalable infrastructures while automating key processes. IT Infrastructure Managers: Use AI to optimize architecture planning, streamline infrastructure deployment, and ensure seamless system integration. Business Leaders: Drive transformation within your organization by adopting AI-driven architectural solutions to enhance scalability, reduce costs. Students & New Graduates: Gain a competitive edge in the tech industry by mastering AI architectural techniques and tools.

Audience

Architecture Professionals: Enhance your architectural design skills by integrating AI to create scalable, efficient, and intelligent systems for modern solutions. Systems Architects & Engineers: Learn to leverage AI to design and build sophisticated, scalable infrastructures while automating key processes. IT Infrastructure Managers: Use AI to optimize architecture planning, streamline infrastructure deployment, and ensure seamless system integration. Business Leaders: Drive transformation within your organization by adopting AI-driven architectural solutions to enhance scalability, reduce costs. Students & New Graduates: Gain a competitive edge in the tech industry by mastering AI architectural techniques and tools.

Prerequisites

A foundational knowledge on neural networks, including their optimization and architecture for applications. Ability to evaluate models using various performance metrics to ensure accuracy and reliability. Willingness to know about AI infrastructure and deployment processes to implement and maintain AI systems effectively.

Program

Certification Overview Course Introduction Module 1: Fundamentals of Neural Networks 1.1 Introduction to Neural Networks 1.2 Neural Network Architecture 1.3 Hands-on: Implement a Basic Neural Network Module 2: Neural Network Optimization 2.1 Hyperparameter Tuning 2.2 Optimization Algorithms 2.3 Regularization Techniques 2.4 Hands-on: Hyperparameter Tuning and Optimization Module 3: Neural Network Architectures for NLP 3.1 Key NLP Concepts 3.2 NLP-Specific Architectures 3.3 Hands-on: Implementing an NLP Model Module 4: Neural Network Architectures for Computer Vision 4.1 Key Computer Vision Concepts 4.2 Computer Vision-Specific Architectures 4.3 Hands-on: Building a Computer Vision Model Module 5: Model Evaluation and Performance Metrics 5.1 Model Evaluation Techniques 5.2 Improving Model Performance 5.3 Hands-on: Evaluating and Optimizing AI Models Module 6: AI Infrastructure and Deployment 6.1 Infrastructure for AI Development 6.2 Deployment Strategies 6.3 Hands-on: Deploying an AI Model Module 7: AI Ethics and Responsible AI Design 7.1 Ethical Considerations in AI 7.2 Best Practices for Responsible AI Design 7.3 Hands-on: Analyzing Ethical Considerations in AI Module 8: Generative AI Models 8.1 Overview of Generative AI Models 8.2 Generative AI Applications in Various Domains 8.3 Hands-on: Exploring Generative AI Models Module 9: Research-Based AI Design 9.1 AI Research Techniques 9.2 Cutting-Edge AI Design 9.3 Hands-on: Analyzing AI Research Papers Module 10: Capstone Project and Course Review 10.1 Capstone Project Presentation 10.2 Course Review and Future Directions 10.3 Hands-on: Capstone Project Development Optional Module: AI Agents for Architect 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.