

**Generative AI for Architects  
(Enterprise Application)****Duration – 24 Hours****Program Description**

This program is designed for software and solution architects who want to leverage Generative AI in enterprise applications. Participants will learn to integrate AI models into complex systems, automate design and decision-making processes, and develop AI-powered solutions for enterprise-scale challenges. The course focuses on both theory and hands-on application, covering AI architectures, prompt engineering, multimodal AI, and responsible deployment in enterprise environments.

**Learning Goals**

- Understand the principles and architecture of Generative AI for enterprise applications
- Learn to design AI-powered systems and integrate them with existing enterprise workflows
- Apply prompt engineering and fine-tuning techniques for custom solutions
- Explore multimodal AI applications (text, image, data) in enterprise contexts
- Gain hands-on skills for deploying Generative AI safely and efficiently
- Understand governance, compliance, and ethical considerations in enterprise AI
- Deliver enterprise-grade AI solutions through practical projects

**Course Topics**

- Introduction to Generative AI and Enterprise Applications
- Large Language Models (LLMs) and Foundations
- Prompt Engineering and Model Fine-Tuning
- Multimodal AI for Text, Image, and Data
- Integrating Generative AI into Enterprise Workflows
- AI Architecture Design and Deployment Best Practices
- Responsible AI, Governance, and Compliance
- Capstone Project: Designing an Enterprise Generative AI Solution