



Leadership in Generative AI

Course description

In this advanced course, you will delve into the multifaceted world of Generative AI leadership, exploring the strategic, technical, and ethical considerations necessary to drive innovation and maintain a competitive edge. You will gain a deep understanding of the evolving Generative AI landscape, identifying key market leaders, disruptive technologies, and emerging trends. This course provides practical frameworks for building high-performing AI teams, managing complex Generative AI projects, and integrating these transformative capabilities into your organization's core strategy. By the end of the course, you will be equipped to formulate and execute a comprehensive Generative AI strategy, navigate regulatory challenges, and foster a culture of responsible AI innovation.

- **Course level:** Beginner
- **Duration:** 2 days

Activities

This course includes strategic presentations, interactive case studies, expert panel discussions, collaborative group exercises, and a capstone project for developing an organizational Generative AI leadership roadmap.

Course objectives

In this course, you will learn to:

- Analyze the current Generative AI market landscape, identifying leading technologies, key players, and emerging trends
- Develop strategic frameworks for integrating Generative AI into core business processes and product development
- Evaluate and select appropriate foundational models and advanced Generative AI techniques for specific organizational goals
- Establish robust governance, security, and compliance strategies for Generative AI initiatives
- Lead the responsible development and deployment of Generative AI, addressing ethical considerations, bias, and societal impact
- Design an actionable Generative AI leadership roadmap, including project planning, team building, and resource allocation

Intended audience

This course is intended for leaders, strategists, and advanced practitioners seeking to drive Generative AI initiatives within their organizations:

- Chief Technology Officers (CTOs) and Chief Information Officers (CIOs)
- Heads of Innovation and R&D
- Senior Product Managers and VPs of Engineering
- Enterprise Architects and AI Strategists
- Business Unit Leaders and Executives
- Venture Capitalists and Technology Investors

Prerequisites

We recommend that attendees of this course have:

- A strong understanding of Generative AI fundamentals, including knowledge of large language models (LLMs) and diffusion models
- Familiarity with machine learning concepts and cloud computing principles
- Experience in project management or strategic planning within a technical domain

Course outline

Module 01 – Gen AI: Beyond the Chatbot

Topics

- Introduction to Generative AI for Businesses
- Generative AI Foundations
- Generative AI Strategy

Activities

- Discussion: What is Your Why?
- Discussion: Feeling Inspired
- Try It: Hands-On with the Gemini App
- Discussion: Benefits of Google Cloud for AI Solutions
- Try It: Prioritization Exercise
- Activity: Augmentation or Automation?

Module 02 – Gen AI: Unlock Foundational Concepts

Topics

- Core Generative AI Concepts
- Foundation Models
- Responsible AI

Activities

- Activity: Supervised, Unsupervised, or Reinforcement Learning?
- Discussion: Model Matchmaker
- Discussion: Organizational Roadblocks to Responsible AI

Module 03 – Gen AI: Navigate the Landscape

Topics

- The Generative AI Landscape
- Generative AI Agents and Applications
- Platforms, Models, and Infrastructure
- Project Resources and Management

Activities

- Discussion: Conversational and Workflow Agents
- Activity: The Writing Assistant
- Activity: Edge or Cloud?
- Activity: Best Solution

Module 04 – Gen AI Apps: Transform Your Work

Topics

- Prompting Techniques
- Generative AI for Productivity
- Gemini for Google Cloud
- Gemini for Google Workspace

Activities

- Discussion: Customer Service
- Try It: Step into the Role
- Activity: Pick-a-Product
- Discussion: Gemini for Google Cloud in Your Organization

Module 05 – Gen AI Agents: Transform Your Organization

Topics

- Today's AI Agents
- Building Agents
- Customer Experience Enhancement with Agents

Activities

- Activity: The Better Prompt Technique
- Activity: Agent Tooling Example – Meeting Location Planner APIs
- Activity: Pick-a-Product

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About CloudThat

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CloudThat specializes in Cloud Migration, Data Platforms, DevOps, IoT, and cutting-edge technologies like Gen AI & AI/ML. As a Microsoft Solutions Partner, AWS Premier Tier Training Partner, Google Cloud Platform Partner, and collaborator with leading organizations like HPE, Oracle, Nvidia and Databricks, CloudThat has trained over 850,000 professionals across 600+ cloud certifications, empowering students and professionals worldwide to advance their skills and careers.

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