

# Future of AI and Emerging Trends

Explore the future of AI and emerging trends shaping the next decade, including generative and multimodal AI, autonomous agents, and industry transformation. Learn how AI, cloud, and IoT convergence drive innovation, while ethics, governance, and global regulations redefine responsible AI adoption across sectors.

## Program Duration

3 Hours

## Learning Format

Online and On-demand

## Course Curriculum

### Future of AI and Emerging Trends

Lesson 01: Introduction

Lesson 02: Learning Objectives

Lesson 03: The Future of AI - What's Next

Lesson 04: Generative AI Advancements and Multimodal Systems

4.01 The Rise of Efficient and Multimodal Models

4.02 Demo: Using Multimodal AI to Understand and Generate Across Modalities

4.03 Multimodal AI Challenges and AI Evolution

4.04 Vision-Language Models Technical Frontiers

4.05 Exploring Synthetic Media Generation

4.06 Demo Synthetic Media Generation

Lesson 05: AI Agents and Autonomous Workflows

5.01 What are AI agents?

5.02 Coordinating Tasks Using Multi-Agent Systems

5.03 Multi-Agent Applications, Challenges, and Scaling

5.04 AI Planning, Reasoning, and Autonomous Execution

5.05 Demo: Implementing AI Planning, Reasoning, and Autonomous Execution

5.06 Impact of AI Agents on Knowledge Work

Lesson 06: AI in Business Transformation

6.01 AI Agents and the Future of Business Models

6.02 AI Ecosystems, Infrastructure and Industry Transformation

6.03 Building Competitive Moats in the Age of AI

6.04 Hyper-Personalization with AI Transforming Retail, Fintech and Hospitality

6.05 How AI is Shaping Industry 4.0 and 5.0

6.06 AI in Security, Smart Infrastructure, and Climate Intelligence

## Lesson 07: Emerging Trends Beyond 2025

7.01 Emerging Trends Beyond 2026

7.02 AI and Robotics in the Physical World

7.03 Neuromorphic Computing and Quantum AI

7.04 Edge AI Benefits and Applications

7.05 AI Regulations, Global Standards, and Responsible AI

7.06 AI Compliance and Future Impact

## Lesson 08: Key Takeaways

### 5+ Skills Covered

- AI Trends
- Generative AI
- AI Agents
- Multimodal Systems
- Responsible AI