ChatGPT Advanced: Mastering Multimodal AI Integration

11 – 15 April 2027
Online



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Ref: 322353_196480 **Date:** 11 – 15 April 2027 **Location:** Online **Fees:** 2700 GBP

Why This Course

As AI systems become more capable, the next major leap is no longer just better text generation. It is the ability to work across multiple forms of data at once. Modern organizations increasingly need AI solutions that can understand text, interpret images, process audio, and combine these inputs in meaningful ways. This shift is creating new possibilities for automation, customer interaction, decision support, and intelligent product development across industries.

This intensive 1-week course explores advanced ChatGPT techniques and the integration of multimodal AI. Participants will learn to leverage diverse data types, including text, images, and audio, to create innovative AI applications. The course covers advanced prompt engineering, fine-tuning strategies, and practical implementation of multimodal AI systems using ChatGPT.

What You'll Learn and Practice

By joining this program, you will:

- Master advanced ChatGPT techniques and prompt engineering strategies.
- Understand the principles and applications of multimodal AI.
- Develop skills in integrating various data types with ChatGPT.
- Learn to create and deploy innovative AI solutions using multimodal approaches.
- Gain practical experience in building and optimizing multimodal AI systems.

The Program Flow

Day 1: Advanced ChatGPT Techniques

- Advanced prompt engineering strategies.
- Fine-tuning ChatGPT for specific domains.
- Optimizing ChatGPT performance.
- Ethical considerations in advanced AI applications.

Day 2: Introduction to Multimodal AI

- Fundamentals of multimodal AI.
- Types of data in multimodal systems.
- Architectures for multimodal AI.
- Case studies of successful multimodal AI applications.



Day 3: Integrating Text and Image Data

- Text-to-image and image-to-text models.
- Visual question answering systems.
- Image captioning and description generation.
- Practical exercises in text-image integration.

Day 4: Incorporating Audio and Speech

- Speech recognition and synthesis with ChatGPT.
- Audio-visual fusion techniques.
- Building conversational AI with multimodal inputs.
- Hands-on project: Creating a multimodal chatbot.

Day 5: Advanced Multimodal Applications

- Multimodal sentiment analysis.
- Cross-modal retrieval systems.
- Multimodal AI in virtual and augmented reality.
- Final project: Developing a complex multimodal AI application.

Individual Impact

- Strengthen your ability to work with advanced ChatGPT capabilities more effectively.
- Enhance your skills in prompt engineering, fine-tuning, and multimodal system design.
- Build stronger confidence in combining text, image, and audio inputs into practical AI solutions.
- Gain hands-on experience that can be applied to real innovation and development projects.

Work Impact

- Improve the organization's ability to develop more intelligent and versatile AI solutions.
- Strengthen innovation efforts by enabling systems that work across multiple data formats.
- Support better user experiences through richer, more interactive AI applications.
- Enhance readiness for future AI opportunities in automation, analysis, and digital product development.

Training Methodology

This program integrates advanced AI concepts, practical implementation, and hands-on experimentation to ensure real-world relevance and technical value. Learning methods include:

- Real-world case studies on advanced ChatGPT and multimodal AI applications.
- Practical exercises in prompt design, model optimization, and multimodal integration.
- Interactive workshops on text, image, and audio processing techniques.
- Group discussions on system design, ethical issues, and implementation challenges.



• Frameworks and tools for building practical multimodal AI solutions effectively.

Beyond the Course

Upon completion, participants will be better equipped to design and implement advanced AI systems with greater confidence, technical depth, and creative flexibility. They will return ready to:

• Apply advanced ChatGPT techniques more effectively in complex use cases.
• Build multimodal AI solutions that combine text, image, and audio inputs.
• Develop more interactive and intelligent AI applications for real-world environments.
• Support innovation through practical, scalable, and future-focused AI design.

