

## Cutting-Edge Workshops in Artificial Intelligence

*London (UK)*

*28 October - 1 November 2024*

UK Training

# PARTNER



# Cutting-Edge Workshops in Artificial Intelligence

Code: OC28 From: 28 October - 1 November 2024 City: London (UK) Fees: 5200 Pound

## Introduction

This comprehensive course offers a deep dive into the latest advancements and practical applications of Artificial Intelligence AI. Through a series of hands-on workshops, participants will gain the knowledge and skills to harness the power of AI in their respective domains.

## Objectives

- Understand the fundamental concepts and underlying principles of modern AI systems
- Explore the latest AI techniques, including machine learning, deep learning, natural language processing, and computer vision
- Gain hands-on experience with building, training, and deploying AI models using state-of-the-art tools and frameworks
- Learn how to integrate AI-powered solutions into real-world applications and workflows
- Develop the critical thinking and problem-solving skills required to identify and address AI-related challenges
- Stay updated on the emerging trends, ethical considerations, and future directions in the rapidly evolving field of AI

## Course Outline

### Day 1

#### Introduction to Modern AI

- The evolution of AI: from classical to contemporary approaches
- Fundamental concepts and principles of machine learning and deep learning
- Ethical considerations and responsible AI development

### Day 2

#### Machine Learning Workshops

- Supervised learning: regression and classification techniques
- Unsupervised learning: clustering and dimensionality reduction
- Hands-on workshop: building and training ML models using popular libraries

### Day 3



## Deep Learning Workshops

- Fundamentals of neural networks and deep learning architectures
- Computer vision: image recognition and object detection
- Natural Language Processing: text analysis and generation
- Hands-on workshop: designing and deploying deep learning models

## Day 4

### AI Applications and Integration

- Applying AI to streamline business processes and enhance decision-making
- Integrating AI-powered solutions into existing systems and workflows
- Case studies and best practices for successful AI deployment

## Day 5

### The Future of AI

- Emerging AI technologies and their potential impact
- AI safety, privacy, and security considerations
- AI ethics and the societal implications of intelligent systems
- Hands-on workshop: prototyping innovative AI-driven solutions





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