



**aractech**

Global Learning for Operational Leaders

IT MANAGEMENT AND CYBER SECURITY

# Artificial Intelligence (AI) in Cyber Forensics: Investigating Advanced Cyber Crimes

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# Course content

## Why Attend

Course Introduction

As cyber crimes become more sophisticated, leveraging artificial intelligence (AI) in cyber forensics is essential for effective investigation and response.

## Course Methodology

## Course Objectives

## Target Audience

# Course outline

## Detailed course outline

Day-by-day outline for Artificial Intelligence (AI) in Cyber Forensics: Investigating Advanced Cyber Crimes.

### Day 1 - Foundations of Cyber Forensics and AI

- Introduction to cyber forensics and its role in combating cyber crimes
- Overview of AI technologies in digital investigations
- Types of cyber crimes and their forensic challenges
- Case studies: Successful AI applications in cyber forensics

### Day 2 - AI Tools and Techniques in Cyber Forensics

- AI-powered tools for digital evidence collection and preservation
- Machine learning algorithms for anomaly detection and pattern recognition
- Using AI for malware analysis and threat attribution
- Automating repetitive tasks in forensic investigations

### Day 3 - Data Analysis and Visualization in Cyber Forensics

- Big data analytics for cyber forensic investigations
- AI-assisted log and network traffic analysis
- Visualizing complex data using AI-driven dashboards
- Correlating data from multiple sources for actionable insights

# Course outline

## Detailed course outline

Day-by-day outline for Artificial Intelligence (AI) in Cyber Forensics: Investigating Advanced Cyber Crimes.

### Day 4 - Practical Applications and Case Studies

- Hands-on exercises with AI-powered forensic tools
- Analyzing real-world cyber crime scenarios using AI
- Using natural language processing (NLP) for examining text-based evidence
- Deepfake and AI-generated fraud detection

### Day 5 - Legal, Ethical, and Strategic Considerations

- Legal frameworks for AI-driven forensic investigations
- Chain of custody and admissibility of AI-analyzed evidence in court
- Ethical considerations in using AI for cyber forensics
- Building an AI-powered cyber forensics strategy for organizations

# Seminar dates

## Available seminar dates

Live dates and pricing for Artificial Intelligence (AI) in Cyber Forensics: Investigating Advanced Cyber Crimes generated from the course details page.

Date	Location	Format	Fee
22 - 26 June 2026	Frankfurt	Classroom	€2,275
13 - 17 July 2026	Barcelona	Classroom	€2,695
17 - 21 August 2026	Frankfurt	Classroom	€2,275
21 - 25 September 2026	Rome	Classroom	€2,975
19 - 23 October 2026	Kuala Lumpur	Classroom	€1,575
2 - 6 November 2026	London	Classroom	€2,940
21 - 25 December 2026	Rome	Classroom	€2,975

### Live online option

Online delivery is available at €1,250.