

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
18 - 22 May 2026	Paris	Classroom	€3,150
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

Live online option

Online delivery is available at €1,250.