informatech



IT MANAGEMENT AND CYBER SECURITY | COURSE

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.

This Artificial Intelligence (AI) in Cyber Forensics training course explores how AI technologies can enhance the detection, analysis, and mitigation of cyber crimes.

Participants will learn to use AI tools and techniques to gather evidence, analyze digital data, and support legal proceedings in cyber crime investigations.

Course Objectives

By the end of this Artificial Intelligence (AI) in Cyber Forensics training course, participants will be able to:

- Understand the role of AI in cyber forensics and digital investigations
- Utilize AI tools for detecting and analyzing cyber crime patterns
- Collect and preserve digital evidence using AI-powered solutions
- Analyze large volumes of data efficiently with machine learning techniques
- Integrate AI technologies into existing forensic workflows
- Address legal and ethical considerations in AI-powered investigations

Who should Attend?

This Artificial Intelligence (AI) in Cyber Forensics training course is ideal for:

- Cybersecurity professionals and forensic investigators
- IT and risk management teams
- Law enforcement and legal professionals handling cyber crime cases
- Data analysts and IT administrators
- Professionals interested in AI applications in cybersecurity



Course content

Course outline

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

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



Course content

Course outline

- 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
21 - 25 December 2026	Rome - Italy	Classroom	**€3,400.-**
7 - 11 December 2026	Rome - Italy	Classroom	**€3,400.-**
14 - 18 December 2026	Frankfurt - Germany	Classroom	**€2,600.-**
14 - 18 December 2026	Vienna - Austria	Classroom	**€3,400.-**
18 - 22 January 2027	Paris - France	Classroom	**€3,600.-**
15 - 19 February 2027	Frankfurt - Germany	Classroom	**€2,600.-**
15 - 19 March 2027	Barcelona - Spain	Classroom	**€3,080.-**
19 - 23 April 2027	Frankfurt - Germany	Classroom	**€2,600.-**
17 - 21 May 2027	Rome - Italy	Classroom	**€3,400.-**
21 - 25 June 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
19 - 23 July 2027	London - U.K	Classroom	**€3,360.-**
16 - 20 August 2027	Rome - Italy	Classroom	**€3,400.-**
20 - 24 September 2027	Vienna - Austria	Classroom	**€3,400.-**
18 - 22 October 2027	Barcelona - Spain	Classroom	**€3,080.-**
15 - 19 November 2027	Paris - France	Classroom	**€3,600.-**
20 - 24 December 2027	Frankfurt - Germany	Classroom	**€2,600.-**