

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

Professional training programme



SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

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.

Why Attend

This course uses instructor-led sessions, guided discussion, and practical exercises built around Foundations of Cyber Forensics and AI, AI Tools and Techniques in Cyber Forensics, Data Analysis and Visualization in Cyber Forensics, and practical applications and case studies.

Who Should Attend

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

— Learning Objectives

- 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

— 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
- 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

— Upcoming Classroom Dates

DATE	LOCATION	FEE
5 - 9 October 2026	Barcelona - Spain	€1,925
12 - 16 October 2026	Frankfurt - Germany	€1,625
12 - 16 October 2026	London - United Kingdom	€2,100
19 - 23 October 2026	Kuala Lumpur - Malaysia	€1,400
2 - 6 November 2026	London - United Kingdom	€2,100
9 - 13 November 2026	Barcelona - Spain	€1,925
9 - 13 November 2026	Istanbul - Türkiye	€1,425
16 - 20 November 2026	Istanbul - Türkiye	€1,425

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.