Cybersecurity & A.I Practice

Exec Summary

Participants will learn about the vulnerabilities introduced by machine learning algorithms, ethical hacking practices for AI systems, and how AI can be harnessed to analyse massive data sets for threat detection. This course integrates theoretical knowledge with practical, hands-on labs, using Linux-based virtual machines, to provide a holistic learning experience.

Unlock the Future of Cybersecurity Strategy with AI-Driven Tools and Techniques

Course Overview

In a world increasingly dominated by machine learning and artificial intelligence (AI), cybersecurity remains a pivotal concern for businesses, governments, and individuals alike. "Cybersecurity in the Age of Artificial Intelligence" is a ground-breaking 5-day training program designed to immerse professionals in the intersection between these two critical domains. This comprehensive course offers a unique blend of theoretical insights and hands-on labs, giving you the tools needed to navigate the complex landscape of AI-enhanced cybersecurity. Hosted by industry-leading experts with extensive practical experience, this course equips you with the strategies and techniques to improve and augment your organization's cybersecurity posture through the power of AI.

Who Should Attend

Software Engineers

Cybersecurity Professionals

AI Researchers

Business Analysts interested in Cybersecurity and AI

Key Learning Objectives

Understand the impact of AI on the cybersecurity landscape: Discover how AI technologies are revolutionizing threat detection, risk assessment, and incident response.

Explore AI vulnerabilities: Learn about the unique challenges and vulnerabilities introduced by integrating AI systems, including data poisoning & how these systems can be targeted and exploited.

Gain Hands-On Experience: Engage in interactive labs focused on real-world scenarios, from developing AI-powered intrusion detection systems to ethical hacking practices targeting AI applications.

Course Agenda

Day 1: Introduction to the course and the current cybersecurity landscape.

Day 2: Delve into the theoretical foundations of AI and its applications in cybersecurity.

Day 3: Practical lab exercises focusing on intrusion detection and phishing campaign detection.

Day 4: Explore the vulnerabilities and ethical considerations in AI-powered cybersecurity tools.

Day 5: Strategic applications of AI in cybersecurity and course conclusion.

Prerequisites

Participants are expected to have a basic understanding of cybersecurity principles, familiarity with AI concepts, and the ability to navigate Linux-based systems. As part of this course you will be offerred an 8-hour eLearning package aimed at people new to Linux.

Course Materials & Tools

All participants will be given access to Virtual Machines for the practical labs, presentation slides, case studies, and supporting reading materials.

Why This Course?

In an era where both cyber threats and AI capabilities are evolving rapidly, staying ahead of the curve is crucial. Whether you are looking to advance your career, upgrade your team's skills, or implement new security measures at your organisation, this course is your stepping stone to a new frontier in cybersecurity.

Don't miss out on this unique opportunity to elevate your cybersecurity strategy by integrating the latest in artificial intelligence. Reserve your spot today!

Trainer | Ben M
Guest Lecturer | TBC
Duration | 3 Days
Please Enquire @ cybernestlabs.com