

AI FOR CYBER SECURITY

HRDC TRAINING NO.: 10001594858

OVERVIEW

This course explores the powerful intersection of artificial intelligence (AI) and cybersecurity, equipping participants with practical skills to detect malware, analyse network traffic, and strengthen defences against adversarial attacks. Through hands-on projects and case studies, you will learn to apply machine learning models for threat detection, evaluate their strengths and limitations, and address critical ethical considerations such as privacy and bias—empowering you to build smarter, faster, and more resilient security systems.

Learning Outcomes

Upon completion of this course, participants will be able to:

- Understand core AI and ML concepts applied to cyber threat detection and defence.
- Use machine learning to analyse malware and detect anomalies in networks.
- Identify and write Python code to defend against adversarial attacks.

Course Content

M1: AI & Machine Learning (ML) Basics & Cyber Security Concepts
M2: Application of Machine Learning in Cyber Security
M3: Machine Learning for Network Traffic Analysis
M4: Machine Learning for Network Anomaly Detection
M5: Attacks on Machine Learning and Defences

DATE & TIME:

Tuesday & Wednesday
14 & 15 October 2025
9:00 am to 5.30 pm

VENUE:

DoubleTree by Hilton Melaka
Jalan Melaka Raya 23, Hatten City,
75000 Melaka

TRAINER

John Rajkumar David
Certified Cyber Security Trainer
HELP University

FEE:

RM 3,250^{^*}
[^]RM 3,000* - Promotional price valid until 30 Sep 2025
*8% SST included



REGISTER NOW



FOR MORE INFO, CONTACT

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AI FOR CYBER SECURITY

HRDC TRAINING NO.: 10001583414

TRAINING SCHEDULE

Time	Content
Day 1 (Tuesday, 14 October 2025)	
8:30 am – 9:00 am	Registration & Networking Breakfast
9:00 am – 11:00 am	Module 1: AI, ML & Cyber Security Concepts
11:00 am – 1:00 pm	Module 2: Application of ML in Cyber Security (Part 1)
1:00 pm – 2:00 pm	Lunch
2:00 pm – 3:00 pm	Module 2: Application of ML in Cyber Security (Part 2)
3:00 pm – 5:00 pm	Module 3: ML for Network Traffic Analysis (Part 1)
Day 2 (Wednesday, 15 October 2025)	
8:30 am – 9:00 am	Networking Breakfast
9:00 am – 10:00 am	Module 3: ML for Network Traffic Analysis (Part 2)
10:00 am – 1:00 pm	Module 4: ML for Network Anomaly Detection
1:00 pm – 2:00 pm	Lunch
2:00 pm – 5:00 pm	Module 5: Attacks on ML Defences

TRAINER PROFILE

John Rajkumar David

John Rajkumar @ David is a certified cybersecurity trainer, experienced academic and industry professional with over 30 years in IT, business analytics, and project management. He holds advanced degrees in computer systems management and computer science, and currently serves as Programme Leader for Business Analytics at HELP University. As a Certified Cybersecurity Trainer, he has delivered extensive training in AI, data analytics, Power BI, IT project management, and business applications, blending academic expertise with real-world practice.

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