CAIP: Become a Certified Artificial Intelligence Professional

Date and duration

Training code : CAIP-EN
Duration : 4,5 days
Nombre d'heures : 31 heures

Training with certification

PECB Certified Artificial Intelligence Professional

Body

Artificial Intelligence (AI) is transforming the professional world, **making skills in designing, implementing, and managing AI systems** more critical than ever. It has therefore become essential for professionals to get certified in order to validate their expertise and remain competitive in this fast-evolving field.
By attending the PECB Certified Artificial Intelligence Professional training, you will acquire the skills necessary to navigate the AI ecosystem. You will develop in-depth expertise in **machine learning, deep learning, and natural language** processing, while also exploring computer vision, robotics, and expert systems. The program also covers risk management, regulatory compliance, and the **development of ethical AI strategies**.
In addition to this 4.5-day program (available in English only), you will take an exam that will allow you to obtain the **PECB Certified Artificial Intelligence Professional certification** (see more details in the Certification section). This credential validates your ability to integrate AI into business strategies and to manage projects responsibly. As a result, you will be recognized as a true **certified Artificial Intelligence professional**.

Objectifs

By the end of this training, you will be able to:

- Master the foundations of AI by understanding its key principles and the wide range of its real-world applications.
- Develop strong analytical skills to conduct in-depth data analysis and create impactful visualizations to support AI projects.
- Apply machine learning techniques including supervised, unsupervised, and reinforcement learning to address real-world problems.
- Implement advanced deep learning architectures, ranging from simple neural networks to convolutional neural networks (CNNs).
- Understand the workings of NLP systems and methodologies in computer vision.
- Adopt robotics and expert system concepts to design AI-based automation.
- Proactively manage AI-related risks by identifying and mitigating threats while ensuring strict compliance with regulatory requirements.
- Develop ethical AI strategies that meet societal expectations and align with corporate values.
- Prepare effectively for the PECB Certified Artificial Intelligence Professional certification exam.

Points forts

- **PECB Certification Included**: This training course is specifically designed to prepare you for the “PECB Certified Artificial Intelligence Professional” exam. The training fee includes both the exam and certification costs.
- **Comprehensive Training Materials**: A detailed training manual, hands-on exercises, quizzes, and interactive discussion sessions will enhance your learning experience.
- **Professional Development Credits**: By attending this training course, you will earn 31 Continuing Professional Development (CPD) credits.
- **Exam Retake Option**: If needed, you are entitled to one free retake of the exam within 12 months of the initial exam date.

Certification

CThis training course enables you to take the PECB Certified Artificial Intelligence Professional (CAIP) certification exam. A coupon code will be provided so you can schedule your exam online on the PECB website.

PECB CAIP Exam Details

The exam lasts 3 hours, is available in English only, and complies with the requirements of the PECB Examination and Certification Program (ECP). It covers the following domains of competence:

- Fundamental concepts and principles of Artificial Intelligence
- Data analysis and visualization
- Building Machine Learning models
- Deep Learning and Natural Language Processing (NLP) concepts
- Knowledge and application of Computer Vision, Robotics, and Expert Systems
- AI-related risks, privacy, and compliance
- Ethics, governance, and AI strategy

To successfully pass the exam, you must achieve a minimum score of 70%. Upon passing, you may apply for one of the following two certifications, depending on your professional experience:

Qualifications	Professional Experience	Other Requirements
PECB Certified Provisional Artificial Intelligence Professional	None	Signing the PECB Code of Ethics
PECB Certified Artificial Intelligence Professional	2 years of professional experience, including at least 1 year in Artificial Intelligence	Signing the PECB Code of Ethics

For more information on the modalities, please refer to the PECB Examination Rules as well as the PECB Certification Rules.

Modalités d'évaluation

Quiz / QCM
Case study

Pré-requis

Prerequisites for Attending this PECB Training:

- Basic programming skills.
- 1 year of professional experience in Artificial Intelligence.
- Strong command of English – the training is delivered in English only.

Public

This training course is intended for:

- **AI professionals actively** involved in the development and implementation of AI technologies.
- **Experienced AI practitioners** seeking to enhance their knowledge, stay updated on the latest trends, and refine their leadership skills.
- **Data scientists** responsible for developing and optimizing AI models.
- **IT managers** supervising AI projects and initiatives within their organizations.
- **AI enthusiasts aspiring to leadership roles**, such as AI project managers or AI strategists.
- **Risk and compliance officers** tasked with managing AI-related risks and ensuring adherence to regulations.
- **Business executives** who play a critical role in decision-making processes related to AI.

Programme

Note: The course material and the certification exam are available in English only.

Day 1: Acquiring the Fundamentals of AI and Data Analysis

- Core concepts and key principles of Artificial Intelligence.
- Various real-world applications of AI.
- Data analysis techniques to support AI projects.
- Creating relevant visualizations for better data understanding.

Day 2: Mastering Machine Learning

- Advanced machine learning techniques.
- Practical application of supervised, unsupervised, and reinforcement learning.
- Solving real-world problems using machine learning methods.

Day 3: Deepening Knowledge in Deep Learning and NLP

- Implementation of simple neural networks.
- Designing and deploying advanced deep learning architectures such as CNNs.
- Natural Language Processing (NLP) systems.
- Computer vision methodologies.

Day 4: Deploying AI (Strategies, Risks, Vision, and Robotics)

- Advanced concepts in computer vision.
- Robotics and expert systems for AI-driven automation.
- Identifying and mitigating AI-related risks.
- Ensuring compliance with applicable regulations.
- Developing ethical AI strategies aligned with organizational values and societal needs.

Day 5: Preparing for the PECB Artificial Intelligence Professional Exam

- Overview of the exam structure and format.
- Tips and best practices for successfully passing the exam.

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Training content offered in partnership with PECB