



CERTNEXUS TRAINING

Certified Artificial Intelligence Practitioner™ (CAIP)

Practical hands-on data science, machine learning models, neural networks, computer vision, and NLP deployment.

DURATION

40 Hours (5 Days)

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Certified Artificial Intelligence Practitioner™ (CAIP-210) is a vendor-neutral certification for practitioners seeking to build, train, tune, and deploy machine learning and deep learning models.

Duration	40 Hours (5 Days)
Level	Intermediate
Vendor	CertNexus
Exam Code	AIP-210

WHO IS THIS FOR?

- Data Scientists & Machine Learning Engineers
- Software Engineers transitioning to AI/ML

PREREQUISITES

- Working knowledge of Python, NumPy, Pandas, and basic statistics

COURSE CURRICULUM

01 Module 1: Data Preparation & Feature Engineering

- Data cleaning & normalization
- EDA with Pandas & NumPy
- Hands-on Lab: Data Preprocessing for ML

02 Module 2: Machine Learning Model Building & Tuning

- Regression & Classification algorithms
- Scikit-Learn hyperparameter tuning
- Hands-on Lab: Training & Evaluating ML Models

03 Module 3: Deep Learning & Neural Networks

- TensorFlow & PyTorch fundamentals
- Multi-layer perceptrons & Backpropagation
- Hands-on Lab: Neural Network Implementation

04 Module 4: Computer Vision & Natural Language Processing

- Image classification with CNNs
- NLP sentiment analysis with Transformers
- Hands-on Lab: CNN & NLP Model Training

05 Module 5: MLOps Deployment & Exam Review

- Model API endpoints
- CAIP exam review questions
- Hands-on Capstone Lab: End-to-End AI Model Deployment

FREQUENTLY ASKED QUESTIONS

Q: What is the total duration of the Certified Artificial Intelligence Practitioner™ (CAIP) course?

The course duration is 40 Hours (5 Days) (40 hours of instructor-led lecture and hands-on laboratory exercises).

Q: Does this course help prepare for an official CertNexus certification?

Yes, Certified Artificial Intelligence Practitioner™ (CAIP) aligns directly with the official CertNexus certification exam (AIP-210) and includes official courseware and lab access.

Q: Is training delivered by authorized CertNexus instructors?

Yes, at Computer Pride all CertNexus courses are delivered by certified instructors with extensive industry experience.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke