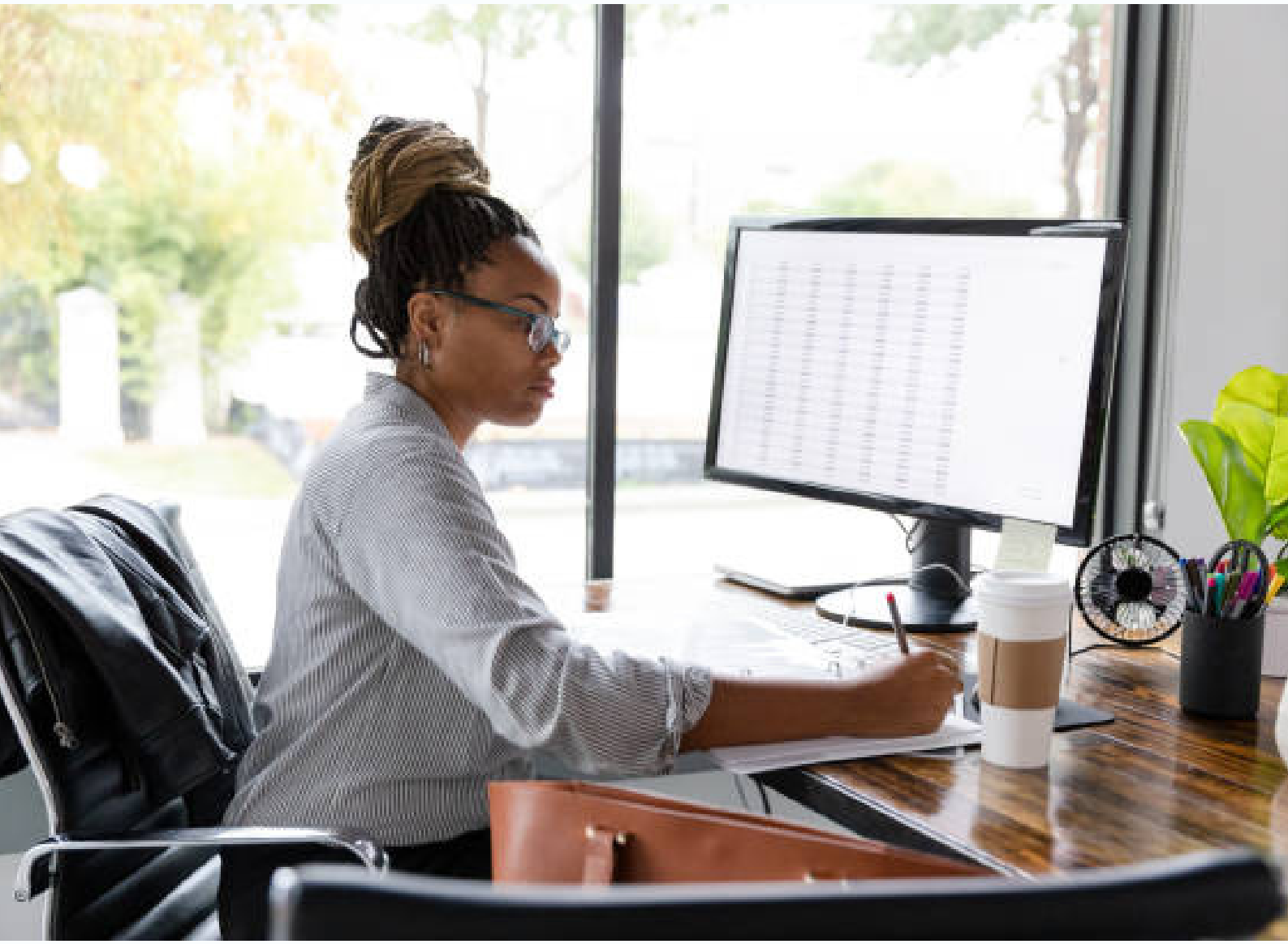


AI Engineer

Programme

www.deviare.africa

DEVIARE

Contents

EVIARE

About the Programme

Deep learning is one of the newest technological advances in the fields of artificial intelligence and machine learning. This Deep Learning with Keras and TensorFlow course is designed to help you master deep learning techniques and enables you to build deep learning models using the Keras and TensorFlow frameworks. These frameworks are used in deep neural networks and machine learning research, which in turn contributes to the development and implementation of artificial neural networks.

EVIARE

Programme Outcomes

34 hours of blended learning

Dedicated mentoring session from faculty of industry experts

Interactive learning with Jupyter notebooks integrated labs

One industry-based course-end project

EVIARE

Who Should Enroll in this Programme?

- Software and IT professionals interested in analytics
- Data scientists
- Business/ data analysts who want to understand deep learning techniques
- Statisticians with an interest in deep learning

EVIARE

Key Learning Objectives

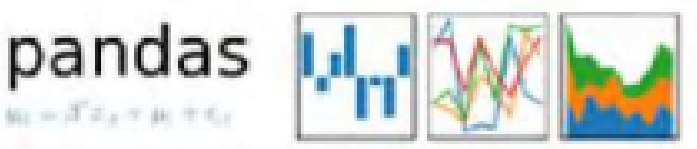
- Understand the concepts of Keras and TensorFlow, its main functions, operations, and the execution pipeline
- Implement deep learning algorithms, understand neural networks, and traverse the layers of data abstraction
- Acquire thorough knowledge of the statistical and heuristic aspects of Machine Learning
- Implement models such as support vector machines, kernel SVM, naive Bayes, decision tree classifier, random forest classifier, logistic regression, K-means clus□tering and more in Python.
- Validate Machine Learning models and decode various accuracy metrics. Improve the final models using another set of optimization algorithms, which include Boosting & Bagging techniques.
- Comprehend the theoretical concepts and how they relate to the practical aspects of Machine Learning

Course curriculum

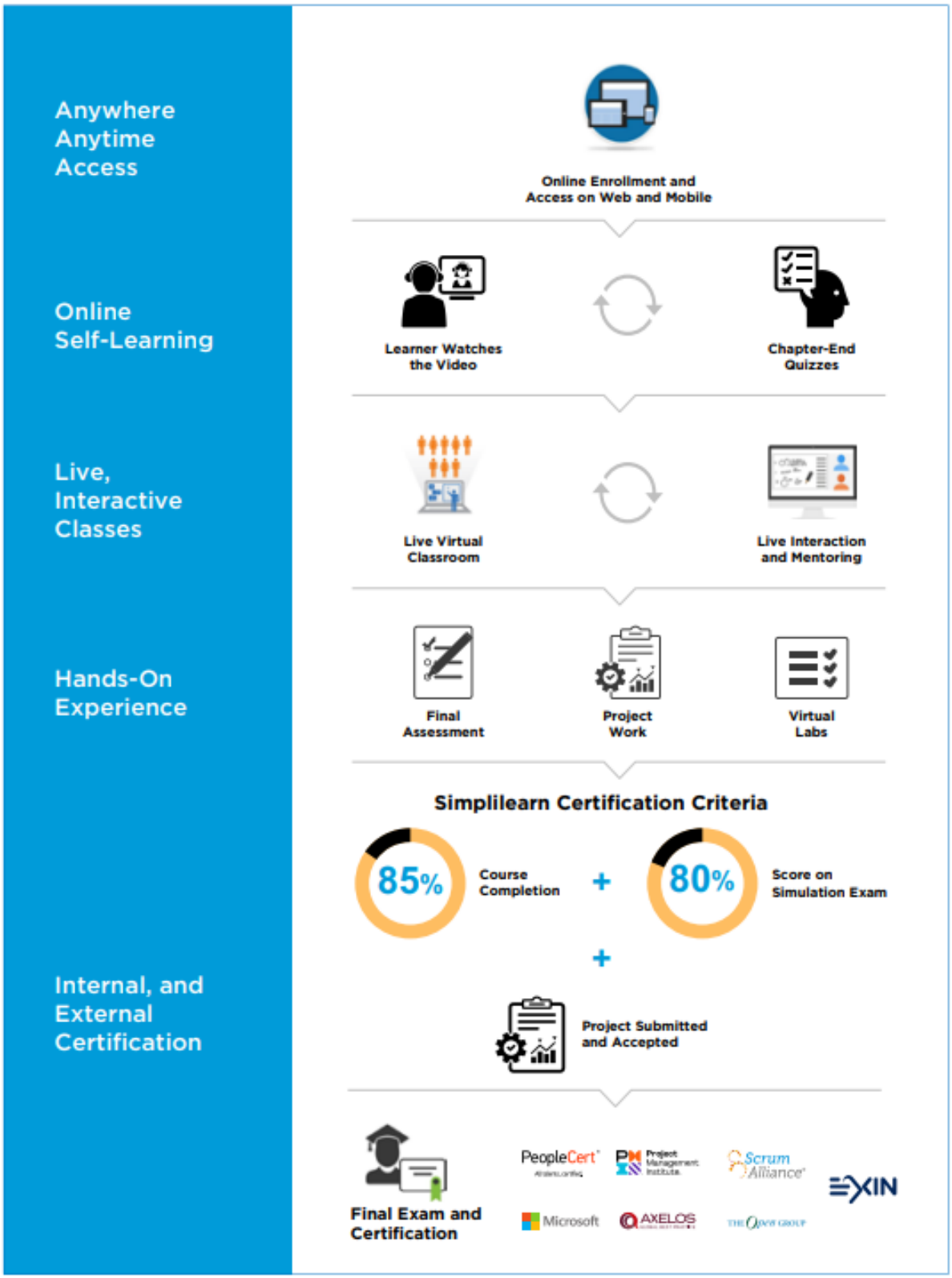
- Lesson 1 - Introduction to Artificial Intelligence and Machine Learning
- Lesson 2 - Data Wrangling and Manipulation
- Lesson 3 - Supervised Learning
- Lesson 4 - Feature Engineering
- Lesson 5 - Supervised Learning-Classification
- Lesson 6 - Unsupervised learning
- Lesson 7 - Time Series Modelling
- Lesson 8 - Ensemble Learning
- Lesson 9 - Recommender Systems
- Lesson 10 - Text Mining

EVIARE

Tools Covered



Classroom-Level Immersion: **Delivered Digitally**



Features of Corporate Training:

Tailored learning solutions

Flexible pricing options

Enterprise-grade learning management system (LMS)

Enterprise dashboards for individuals and teams

24X7 learner assistance and support

EVIARE

About us

Deviare is a leader in digital skills training, focused on the emerging technologies that are transforming Africa. Our blended learning approach drives learner engagement. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

For more information, please visit our website: www.deviare.africa