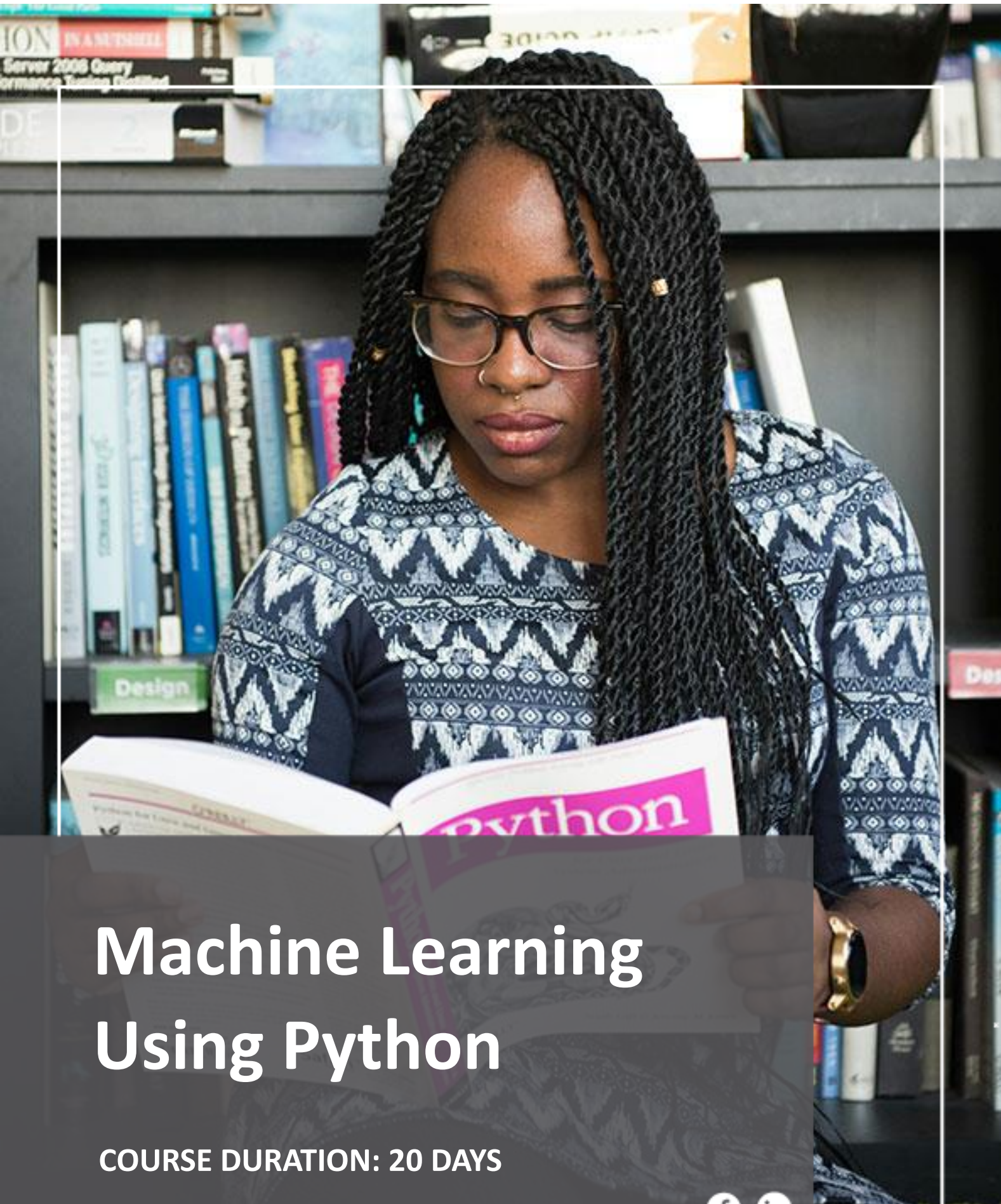


MINDWORX

Academy.



Machine Learning Using Python

COURSE DURATION: 20 DAYS



INTRODUCTION

Our Machine Learning using Python course aims to equip learners with the knowledge of using Python programming language to build and deploy machine learning models and its popular libraries such as NumPy and Scikit-Learn to build and deploy machine learning models. It will cover a range of methods, where individuals will learn about the different types of Machine Learning, such as supervised and unsupervised learning, and how to use them to tackle real-world problems.

TARGET AUDIENCE

The target audience for Machine Learning using Python comprises individuals from various backgrounds, including data analysts, software engineers, researchers, and business professionals, who are keen to harness the power of machine learning for predictive analysis, pattern recognition, and decision-making. Whether an individual is a novice looking to build a solid foundation in Python programming and machine learning algorithms or an experienced practitioner aiming to refine their skills and explore advanced techniques, our comprehensive curriculum ensures that there's something valuable for everyone.

SKILLS GAINED

- ✓ Data Preprocessing
- ✓ Model Evaluation
- ✓ Application in Business Context
- ✓ Algorithm Implementation
- ✓ Feature Engineering

PREREQUISITES

- ✓ Python Programming
- ✓ Statistics and Probability
- ✓ Linear Algebra and Calculus

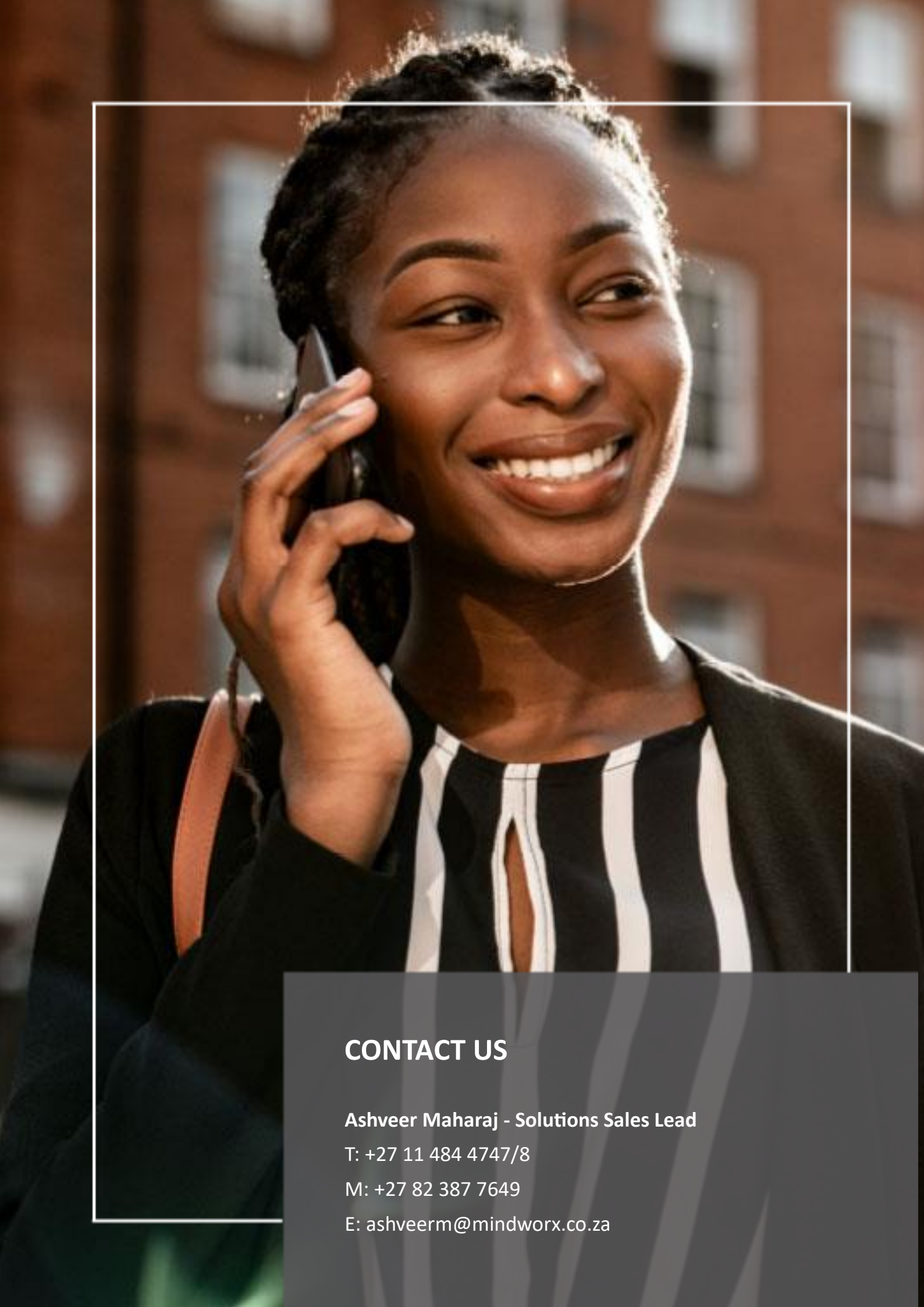
- ✓ Data Pre-processing
- ✓ Machine Learning Algorithms
- ✓ Data Visualisation
- ✓ Model Evaluation and Validation

COURSE **OUTLINE**

- ✓ K-Nearest neighbour classifier
- ✓ Neural networks from Scratch in Python
- ✓ Neural network in Python using NumPy
- ✓ Back propagation in neural networks
- ✓ Confusion matrix
- ✓ Training and testing with MNIST
- ✓ Dropout neural networks
- ✓ Neural networks with Scikit
- ✓ Introduction naive bayes classifier
- ✓ Naive bayes classifier with Scikit
- ✓ Introduction into text classification using Naive Bayes
- ✓ Python implementation of text classification
- ✓ Decision and regression trees
- ✓ Principal component analysis
- ✓ Linear discriminant analysis
- ✓ Expectation maximisation and Gaussian mixture model

WHY CHOOSE **MINDWORX FOR MACHINE LEARNING TRAINING?**

Mindworx Academy is the ideal choice for organisations seeking to equip their employees with cutting-edge expertise in Machine Learning through our comprehensive 20-day course. With a proven track record of delivering high-quality digital education, we stand out for our commitment to providing accessible, flexible, and immersive learning experiences.



CONTACT US

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