Mindluster Platform

About the course Neural Network python

Course Presenter : Learn With Jay

Neural Network python, in this course we will learn about Neural Network Python course. This course provides a hands-on introduction to building, training, and evaluating neural networks using Python. You will start by understanding the foundational concepts of neural networks, such as neurons, weights, biases, activation functions, forward propagation, and loss functions. Then, you will implement these components step by step using Python and NumPy, without relying on high-level libraries. Weâ€™ll cover how to train the network using backpropagation and gradient descent, and apply it to real-world problems like binary classification and digit recognition. The course will also introduce you to best practices in network initialization, learning rate tuning, and model evaluation. By the end, youâ€™ll not only understand how neural networks work internally but also be able to build your own from scratch. This course is ideal for learners who want to deepen their understanding of deep learning by coding neural networks manually. Learn With Jay

Computer Science Category's Courses

Course Lesson(8)

Lesson 1 :
How Neural Networks work in Machine Learning Understanding what is Neural Networks

Lesson 2 :
Forward Propagation and Backward Propagation Neural Networks How to train Neural Networks

Lesson 3 :
What is Activation function in Neural Network Types of Activation Function in Neural Network

Lesson 4 : **Cost Function in Neural Network Types of Cost function we use in different applications**

Lesson 5 : **Derivation of Backpropagation in Neural Network**

Lesson 6 :
Backpropagation for Softmax and Multi Class Classification Complete Mathematical Derivation

Lesson 7 : **Neural Network python from scratch MultiClass Classification with Softmax**

Lesson 8 : **Deep Neural Network Python from scratch L layer Model No Tensorflow**

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