Mindluster Platform

About the course CNN in deep learning

Course Presenter : Learn With Jay

CNN in deep learning, in this course we will learn about CNN in deep learning course. Convolutional Neural Networks (CNNs) are a powerful type of neural network used primarily for image recognition, object detection, and visual data analysis. This course introduces you to the foundational concepts of CNNs including convolutional layers, pooling, activation functions, and fully connected layers. Youâ€™ll explore how CNNs work with image data and how to implement them using Python and popular libraries like TensorFlow and Keras. Weâ€™ll cover practical applications such as image classification, face recognition, and medical image processing. Additionally, the course dives into advanced architectures like VGG, ResNet, and Inception to demonstrate real-world use cases. Through hands-on projects, you will build and train CNN models, evaluate performance, and apply data augmentation techniques. By the end of this course, you will have the skills to design and deploy CNNs for a variety of computer vision tasks with confidence. Learn With Jay

Computer Science Category's Courses

Course Lesson(12)

Lesson 1 : **What is CNN in deep learning Convolutional Neural Network Explained**

Lesson 2 : **Convolution Operation in CNN**

Lesson 3 : **Padding in Convolutional Neural Network**

Lesson 4 : **Stride in Convolutional Neural Network CNN**

Lesson 5 : **Max Pooling in Convolutional Neural Network**

Lesson 6 : **Fully Connected Layer in CNN**

Lesson 7 : **CNN architecture Explaining the Architecture of CNN**

Lesson 8 : **Backpropagation in CNN Part 1**

Lesson 9 : **Backpropagation in CNN PART 2**

Lesson 10 : **What is Keras and Tensorflow Keras vs Tensorflow**

Lesson 11 : **Why use Tensorflow Explaining Tensorflow and why to use it**

Lesson 12 : **Image Classification using CNN Keras Full implementation**

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