Mindluster Platform

About the course Convolutional Neural Networks | CNN

A convolutional neural network (CNN) is a type of artificial neural network used in image recognition and processing that is specifically designed to process pixel data.

Programming Category's Courses

Course Lesson(50)

Lesson 1 : **A first non technical look at CNNs in Hindi**

Lesson 2 : **Applications of CNNs in Hindi**

Lesson 3 : **Convolution operation Part 1 in Hindi**

Lesson 4 : **Convolution operation Part 2 in Hindi**

Lesson 5 : **From Pixels to Image in Hindi**

Lesson 6 : **Applications of CNNs in Hindi**

Lesson 7 : **Convolution intuition in Hindi**

Lesson 8 : **Convolutions explained through program in Hindi**

Lesson 9 : **Vertical and horizontal edge detectors in Hindi**

Lesson 10 : **Parameterizing filters in Hindi**

Lesson 11 : **Padding in Hindi**

Lesson 12 : **Valid and same convolutions in Hindi**

Lesson 13 : **Strided Convolution in Hindi**

Lesson 14 : **Representing colored images in Hindi**

Lesson 15 : **Convolution of a colored image in Hindi**

Lesson 16 : **Convolution example for colored image in Hindi**

Lesson 17 : **Multiple filters for convolution in Hindi**

Lesson 18 : **Layers in a CNN in Hindi**

Lesson 19 : **Calculating the number of parameters in a CNN layer in Hindi**

Lesson 20 : **Notations for a CNN in Hindi**

Lesson 21 : **Example of Convolutional layers in a CNN in Hindi**

Lesson 22 : **Introduction to Pooling in Hindi**

Lesson 23 : **Counting CNN layers Different conventions in Hindi**

Lesson 24 : **More on pooling in Hindi**

Lesson 25 : **Sparse Connections in CNNs in Hindi**

Lesson 26 : **Parameter sharing in CNNs in Hindi**

Lesson 27 : **Converting CNNs to Deep Neural Networks Linear computation**

Lesson 28 : **Converting CNNs to Deep Neural Networks Non linear computation**

Lesson 29 : **LeNet 5 architecture in Hindi**

Lesson 30 : **AlexNet architecture in Hindi**

Lesson 31 : **VGG 16 architecture in Hindi**

Lesson 32 : **ResNet Architecture Part 1 in Hindi**

Lesson 33 : **ResNet Architecture Part 2 in Hindi**

Lesson 34 : **ResNet Architecture Part 3 in Hindi**

Lesson 35 : **ResNet Architecture Part 4 in Hindi**

Lesson 36 : **1 x 1 Convolution in Hindi**

Lesson 37 : **Inception GoogLeNet Architecture in Hindi**

Lesson 38 : **Transfer Learning in Hindi**

Lesson 39 : **Object Localization in Hindi**

Lesson 40 : **Landmark Detection in Hindi**

Lesson 41 : **Introduction to Object Detection in Hindi**

Lesson 42 : **Converting Fully Connected layers to Convolutional Layers in Hindi**

Lesson 43 : **Convolutional Implementation of Sliding Windows Part 1 in Hindi**

Lesson 44 : **Convolutional Implementation of Sliding Windows Part 2 in Hindi**

Lesson 45 : **Limitations of Sliding Window Based Algorithms in Hindi**

Lesson 46 : **YOLO Algorithm Introduction in Hindi**

Lesson 47 : **YOLO Preparing Training Dataset in Hindi**

Lesson 48 : **YOLO Intuition in Hindi**

Lesson 49 : **YOLO Intersection over Union in Hindi**

Lesson 50 : **YOLO Multiple Bounding Boxes in Hindi**

Related courses

React Projects Workshops

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