



Advance Computer Vision

Description:

Early and mid-career software and machine learning engineers with a fundamental understanding of computer vision who want to enhance their knowledge and skillset by studying advanced features to develop strong models can pursue this specialisation.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Challenges

Quizzes

Assignments

Downloadable resources

Completion certificate

What we learn:

Requirements:

Basic knowledge of Python programming

A system with stable internet connection

Your dedication

Instructor:

Name:

Sudhanshu Kumar

Description:

Having 8+ years of experience in Big data, Data Science and Analytics with product architecture design and delivery.

Worked in various product and service based Company.

Having an experience of 5+ years in educating people and helping them to make a career transition.

>CNN:

>>CNN? Building An Intuition For CNN

>>CNN, Kernels, Channels, Feature Maps, Stride, Padding

>>Receptive Fields, Image Output Dimensionality Calculations, MNIST Dataset Exploration

>>MNIST CNN Intuition, Tensorspace.js, CNN Explained, CIFAR 10 Dataset Exploration

>>Custom Image Classification

>>Forward And Back Propagation, LeNet

>>AlexNet And VGGNet

- >>Unconvention & Pure CNNs, Inception
- >>InceptionV1,Inception V2 Continued, Batch Norm
- >>Inception
- >>Resnet Architecture
- >>Resnet Architecture
- >>Opencv
- >>Plant Disease Classification and Object Detection Intro
- >>Tensorflow Object Detection 1
- >>Tensorflow Object Detection 2
- >>Detectron 2 and Custom Training in Detectron 2
- >>Pytorch Basic and FashionMNIST
- >>Autograd | FashionMNIST | Transfer Learning
- >>Object Classification and Deployment on Heroku, AWS
- >>GCP, AWS, Packaging
- >>GPU Providers | AWS | GCP | Azure | Paperspace | DataCrunch | Floydhub
- >>Yolo
- >>Detectron 2 Segmentation | TF Segmentation
- >>Mask RCNN Using TF | Annotation of labelme | JSON to TF Records
- >>Mask RCNN
- >>Shredder Machine Project
- >>RCNN
- >>Face Recognition
- >>Face Recognition Code Discussion
- >>Fast RCNN

>>Fast RCNN

>>RPNN

>>Project Discussion

>>Detectron webapp

>>Detectron2 web app

>>Number plate detection project

>>SSD

>>Mask R-CNN