



# CV Training Resources

## Setting Up

### Dual Boot Ubuntu 20.04 with Win 10/11

How To Dual Boot Linux and Windows 11

(Image credit: Tom's Hardware) Taking your first steps into the world of Linux can be a scary proposition. After all, we

🔗 <https://www.tomshardware.com/how-to/dual-boot-linu...>



### Install Ubuntu 20.04 over VirtualBox

www.youtube.com

Best Linux Tutorial - <http://bit.ly/2IXuiI0> In this video I am going to show , How to How to Install Ubuntu 20.04 LTS in

⌚ <https://www.youtube.com/watch?v=NFRzHQZSJvU&ab...>



### ROS Noetic Installation over Ubuntu 20.04

Wiki

The ROS build farm builds Debian packages for several Ubuntu platforms, listed below. These packages are ready to

🎲 <http://wiki.ros.org/noetic/Installation/Ubuntu>



## Robot Operating System - ROS

### ROS Noetic Tutorials

## Wiki

Non-Beginners: If you're already familiar enough with ROS fuerte or earlier versions and only want to explore the new

 <http://wiki.ros.org/ROS/Tutorials>



# Machine Learning Courses

## Reference Course 1 : Neural Network and Deep Learning

### Neural Networks and Deep Learning

Offered by DeepLearning.AI. In the first course of the ...  
Enroll for free.

 <https://www.coursera.org/learn/neural-networks-deep-...>

DeepLearning.AI

★★★★★ 4.9 (118K) | 1.2M Students

### Neural Networks and Deep Learning

coursera

## Reference Course 2 : Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

### Improving Deep Neural Networks: Hyperparameter ...

Offered by DeepLearning.AI. In the second course of the ...  
Enroll for free.

 <https://www.coursera.org/learn/deep-neural-network?...>

DeepLearning.AI

★★★★★ 4.9 (62K) | 490K Students

### Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

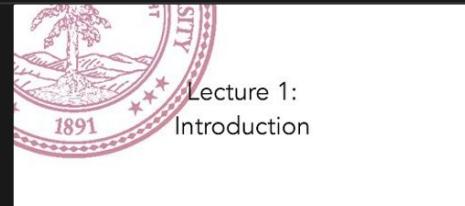
coursera

## CS231n : Convolutional Neural Networks for Visual Recognition

### Stanford University CS231n, Spring 2017

CS231n: Convolutional Neural Networks for Visual Recognition Spring 2017 <http://cs231n.stanford.edu/>

 <https://www.youtube.com/playlist?list=PLC1qU-LWwrF...>



## Sentdex Deep Learning Tutorials with Tensorflow and Keras

### Deep Learning basics with Python, TensorFlow and...

Share your videos with friends, family, and the world

 <https://www.youtube.com/playlist?list=PLQVvaa0QuDfhTox...>



# Blogs

## Region Based Object Detectors

What do we learn from region based object detecto...

In this series, we will take a comprehensive journey on object detection. In Part 1 here, we cover the region based

● [https://medium.com/@jonathan\\_hui/what-do-we-learn...](https://medium.com/@jonathan_hui/what-do-we-learn...)



## Single Shot Detectors

What do we learn from single shot object detectors...

In part 2, we will have a comprehensive review of single shot object detectors including SSD and YOLO (YOLOv2 and

● [https://medium.com/@jonathan\\_hui/what-do-we-learn...](https://medium.com/@jonathan_hui/what-do-we-learn...)



## Assignment

### Meaning of Replicating results

Replicating results of any report means following the step by step procedure as stated in the report and eventually getting results same as or somewhat similar to results stated in the paper. The purpose of reproducibility of a paper is to verify the results and also science relies of reproducibility in experiments as a matter of proof. **Note that this does not mean you copy their github repository and run their code to check if it matches the results they state.**

### Depth Estimation from Single Image Using CNN-Residual Network

cs231n.stanford.edu

<http://cs231n.stanford.edu/reports/2017/pdfs/203.pdf>

### Self-Driving Car Steering Angle Prediction Based on Image Recognition

cs231n.stanford.edu

<http://cs231n.stanford.edu/reports/2017/pdfs/626.pdf>

Generally google will be your best bet for the doubts you have ❤️

