**Week-8 Resources**

Choose one framework and go through its documentation and tutorials:

[**Pytorch**](https://pytorch.org/)

**or**

[**Tensorflow**](https://www.tensorflow.org/)

**Project**

Given the live\_writing.py script, take live input of a hand-written numeric digit and use deep learning to recognize what number it is.

Note:

* The script provided is only basic code and you may alter it accordingly.
* With the current script the color of the object to be identified as a pen for writing is neon orange.
* You may use the hsv\_value\_trackbar.py script to change the color of the object to be identified as a pen.
* hsv\_value\_trackbar.py will create a new hsv\_value.npy file which should replace the previous one in case you decide to make changes to hsv\_value\_trackbar.py.
* You **cannot** use transfer learning to make the predictions. You must train your own deep learning model from scratch.
* The deep learning model should be built using one of the frameworks i.e. Pytorch or Tensorflow.