Recommended Python Package for Neural networks:

1. tensorflow , <https://www.tensorflow.org/install>

2. keras , <https://keras.io/#installation> (keras is now part of tensorflow officially)

3. Download and Running tensorflow in Anaconda : <https://medium.com/@ogieben/installing-tensorflow-in-your-conda-environment-2ec965e5d4d1>

Videos:

1. Tensorflow, Keras with python : <https://youtu.be/wQ8BIBpya2k?t=88>

Medium Blogs:

1.1 Tensor Perspective : <https://towardsdatascience.com/a-beginner-introduction-to-tensorflow-part-1-6d139e038278>

1.2 Introduction <https://medium.com/tensorflow/mit-deep-learning-basics-introduction-and-overview-with-tensorflow-355bcd26baf0>

2. Back Propagation Made Simple : <https://mattmazur.com/2015/03/17/a-step-by-step-backpropagation-example/>

3. Applied Tensorflow Usage : <https://medium.com/all-of-us-are-belong-to-machines/the-gentlest-introduction-to-tensorflow-248dc871a224>

It is highly recommended to install and try a simple problem like when a tensorflow model learns a "XOR relationship", which provides the intuition that with enough examples neural networks when configured properly can learn the non-linear relationship correctly. Please checkout this [link](https://blog.thoughtram.io/machine-learning/2016/11/02/understanding-XOR-with-keras-and-tensorlow.html) in case you need help in implementing XOR with tensorflow.