Additional Resources for Session 9

The following are a few Reference Material Links that will help you get more idea about the topics that are going to be discussed:

CNNs

https://www.coursera.org/learn/deep-learning-business/lecture/6t88U/5-1-deep-learning-with-cnn-convolutional-neural-network

https://cambridgespark.com/content/tutorials/convolutional-neural-networks-with-keras/index.ht ml

https://towardsdatascience.com/applied-deep-learning-part-4-convolutional-neural-networks-584 bc134c1e2

RNNs

http://www.wildml.com/2015/09/recurrent-neural-networks-tutorial-part-1-introduction-to-rnns/

https://www.analyticsvidhya.com/blog/2017/12/introduction-to-recurrent-neural-networks/

https://machinelearningmastery.com/rnn-unrolling/

https://towardsdatascience.com/introduction-to-recurrent-neural-network-27202c3945f3

Vanishing Gradients

https://en.wikipedia.org/wiki/Vanishing gradient problem

https://medium.com/@anishsingh20/the-vanishing-gradient-problem-48ae7f501257

https://stats.stackexchange.com/questions/130596/how-do-cnns-avoid-the-vanishing-gradient-problem?utm medium=organic&utm source=google rich ga&utm campaign=google rich ga

LSTM node

http://adventuresinmachinelearning.com/recurrent-neural-networks-lstm-tutorial-tensorflow/

https://towardsdatascience.com/recurrent-neural-networks-and-lstm-4b601dd822a5

http://colah.github.io/posts/2015-08-Understanding-LSTMs/

https://deeplearning4j.org/lstm.html