Video Lectures - Module-5

CNN - Convolutional Neural Networks (Andrew Ng)

3D Convolution - concept of depth of a layer and number of filters same as depth
[10.44 min]
https://www.coursera.org/learn/convolutional-neural-networks/lecture/ctQZz/convolutions-over-volume

Computations in one layer - detailed working
[16 min]
https://www.coursera.org/learn/convolutional-neural-networks/lecture/nsiuW/one-layer-of-a-convolutional-network

Pooling layer [10.25 min]
https://www.coursera.org/learn/convolutional-neural-networks/lecture/hELHk/pooling-layers

Example CNN [8.31 min]
https://www.coursera.org/learn/convolutional-neural-networks/lecture/A9lXL/simple-convolutional-network-example

RNN - Recurrent Neural Networks

Intro to sequence models [2 min - Andrew Ng]
https://www.coursera.org/learn/nlp-sequence-models/lecture/0h7gT/why-sequence-models

Notations [9 min - Andrew Ng]
https://www.coursera.org/learn/nlp-sequence-models/lecture/aJT8i/notation

RNN Introduction [16 min - Andrew Ng]
https://www.coursera.org/learn/nlp-sequence-models/lecture/ftkzt/recurrent-neural-network-model

LSTM - vey simple introduction [14.36 min]
https://www.youtube.com/watch?v=LfnrRPFhkuY

NLP
https://www.deeplearning.ai/program/natural-language-processing-specialization/
[coursera - intro to NLP course -]

GAN from simplilearn.
https://www.youtube.com/watch?v=MZmNxvLDdV0
[9mts 57sec]