



Curriculum Of Deep Learning

- Basic of Neural Network
- Type of NN
- Cost Function
- Gradient descent
- Linear Algebra basics
- Vanilla implementation of Neural Network in python
- Tensor flow basics
- Hands on Simple NN with Tensor flow
- Word Embedding
- CBOW & Skip-gram
- Word Relations
- Convolution Neural Network
- Max pool
- Window padding
- Image classification using Convolution Neural Network
- Recurrent Neural Network
- Long Short Term Memory (LSTM) architecture
- Building Story writer using character level RNN
- Sentiment Analysis Hands on
- Seq-to-Seq model
- Encoder Decoder
- GAN
- Generative Model Using GAN
- Semi-supervised learning using GAN
- Restricted Boltzmann Machine(RBM) and Auto encoders

PROJECTS

- Spam Detection
- Image Classification