

- - Understanding the features of Keras
 - Advantages of Keras
 - Keras Limitations
- - Installing Keras
 - Installation of dependencies
 - Installation of Theano
 - Installation of TensorFlow
 - Installation of Keras
 - Testing each Installation
 - Configuring Keras
 - Installation of Keras on Docker
 - Installation of Keras on Google Cloud ML
 - Installation of Keras on Amazon AWS
 - Installation of Keras on Microsoft Azure
 - Keras API
 - Basic Architecture of Keras
 - Overview of predefined neural network layers
 - Overview of predefined activation functions

- Understanding Losses Functions
- Understanding Metrics
- - Deep Convolutional Neural Network
 - Understanding Deep Convolutional Neural Network (DCNN)
 - Simple Example of DCNN
 - Recognizing CIFAR-10 images with DL
- - Overview of GAN
 - Keras adversarial GANs for forging MNIST
 - Keras adversarial GANs for forging CIFAR
 - Understanding WaveNet
- - Distributed Representations
 - Understanding word2vec
 - GloVe exploring functionalities
 - Using pre-trained embedding

- - Basics of SimpleRNN cells
 - Understanding RNN Topologies
 - Using Gated Recurrent Unit -GRU
 - Concept of Bidirectional RNNs
 - Vanishing and exploding gradients
 - Using Long Short Term Memory –LSTM
- - Dealing with Keras Functional API
 - Understanding Regression Networks
 - Concept of Unsupervised Learning
 - Keras Customization scenario
 - Using Generative Models