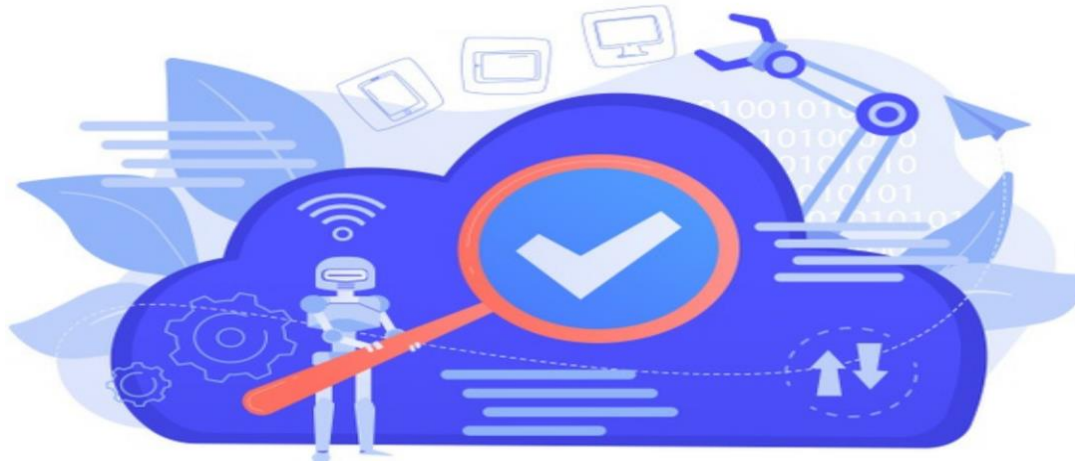


Learn

Deep Learning with TensorFlow



Deep Learning with TensorFlow - Course Syllabus

Module 1 – Introduction to TensorFlow

- HelloWorld with TensorFlow
- Linear Regression
- Nonlinear Regression
- Logistic Regression
- Activation Functions

Module 2 – Convolutional Neural Networks (CNN)

- CNN History
- Understanding CNNs
- CNN Application

Module 3 – Recurrent Neural Networks (RNN)

- Intro to RNN Model
- Long Short-Term memory (LSTM)
- Recursive Neural Tensor Network Theory

- Recurrent Neural Network Model

Module 4 - Unsupervised Learning

- Applications of Unsupervised Learning
- Restricted Boltzmann Machine
- Collaborative Filtering with RBM

Module 5 - Autoencoders

- Introduction to Autoencoders and Applications
- Autoencoders
- Deep Belief Network