

Since 2007, Making IT Experts & Products

Course: Deep Learning

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com

MODULE 1

- * Introduction to Tensor Flow
- * Computational Graph
- * Key highlights
- * Creating a Graph
- * Regression example
- * Gradient Descent
- * TensorBoard
- * Modularity
- * Sharing Variables
- * Keras Perceptrons
- * What is a Perceptron?
- * XOR Gate

MODULE 2


- * Activation Functions
- * Sigmoid
- * ReLU
- * Hyperbolic Fns, Softmax Artificial Neural Networks
- * Introduction
- * Perceptron Training Rule
- * Gradient Descent Rule

MODULE 3

- * Gradient Descent and Backpropagation

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

 +91 9895490866

 +91 8301010866

 join@nestsoft.com

 www.nestsoft.com

Since 2007, Making IT Experts & Products

- * Gradient Descent
- * Stochastic Gradient Descent
- * Backpropagation
- * Some problems in ANN Optimization and Regularization
- * Overfitting and Capacity
- * Cross-Validation
- * Feature Selection
- * Regularization
- * Hyperparameters


MODULE 4

- * Introduction to Convolutional Neural Networks
- * Introduction to CNNs
- * Kernel filter
- * Principles behind CNNs
- * Multiple Filters
- * CNN applications Introduction to Recurrent Neural Networks
- * Introduction to RNNs
- * Unfolded RNNs
- * Seq2Seq RNNs
- * LSTM
- * RNN applications

MODULE 5

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

 +91 9895490866

 +91 8301010866

 join@nestsoft.com

 www.nestsoft.com

Since 2007, Making IT Experts & Products

- * Deep learning applications
- * Image Processing
- * Natural Language Processing
- * Speech Recognition
- * Video Analytics

(Click on Course for more details)

Course: Deep Learning

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com