

FULL CURRICULUM • 2026

Deep Learning

Build the neural networks that see, hear and understand.

Every module, every lesson — the complete syllabus, end to end.

18

MODULES

67

LESSONS

7

MONTHS

₹32,500

FULL PROGRAMME

What this course covers

1

Level 1 • Beginner

Introduction to Course • Introduction to Deep Learning • Artificial Neural Networks

2 months • 5 modules • 21 lessons • ₹8,000

2

Level 2 • Intermediate

Building RNN • Self Organizing Maps • Building Self Organizing Maps

2 months • 6 modules • 17 lessons • ₹10,500

3

Level 3 • Advanced

Annexure : Machine Learning Basics • Data preprocessing in Python • Sentiment Analysis for Deep Learning

3 months • 7 modules • 29 lessons • ₹14,000

The whole journey

This is the complete syllabus for Deep Learning — 18 modules and 67 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

Introduction to Course · Introduction to Deep Learning · Artificial Neural Networks

2 months · 5 modules · 21 lessons · ₹8,000

- **1. Introduction to Course** 1 lessons
 - Course Intro DL
- **2. Introduction to Deep Learning** 2 lessons
 - Introduction to Deep Learning_ History and Context
 - Machine learning vs deep learning
- **3. Artificial Neural Networks** 6 lessons
 - DL Basics Neurons, Synapses, Activation Funcns
 - Understanding Activation Functions
 - Artificial Neural Networks
 - Gradient Descent vs Brute Force Optimization
 - ANN Code in Python
 - ANN using R code
- **4. Convolutional Neural Network** 7 lessons
 - Convolutional Neural Networks
 - Understanding Layers of CNN
 - Convolution in CNN
 - Keras & TensorFlow for CNN
 - CNN using Python
 - Introduction to Transformers
 - Encoder Decoder Achitecture
- **5. Recurrent Neural Network** 5 lessons
 - What is RNN & Working of RNN
 - Vanishing Gradient Problem in RNN
 - LSTM in Deep Learning
 - Working of LSTM
 - Variations of LSTM

Intermediate

Building RNN · Self Organizing Maps · Building Self Organizing Maps

2 months · 6 modules · 17 lessons · ₹10,500

- **6. Building RNN** 1 lessons
 - Building RNN - CODE
- **7. Self Organizing Maps** 7 lessons
 - What is Self Organizing Maps(SOM)
 - Creation & Working of SOM
 - K Means Clustering Introduction
 - K Means Clustering
 - K Means Clustering Code Python
 - Optimising K Means Clustering and Elbow Method
 - K Means Clustering using R
- **8. Building Self Organizing Maps** 1 lessons
 - Building SOM - CODE
- **9. Boltzmann Machines** 3 lessons
 - Boltzmann Machines
 - Boltzmann Machines vs Neural Networks
 - Boltzmann Machine Code in Python
- **10. Auto Encoders** 4 lessons
 - Auto Encoders in Deep Learning
 - Types of Autoencoders
 - Autoencoders in Machine Learning
 - Training Process in Autoencoders
- **11. Building an Autoencoder** 1 lessons
 - AutoEncoder Code in Python

Advanced

Annexure : Machine Learning Basics · Data preprocessing in Python · Sentiment Analysis for Deep Learning

3 months · 7 modules · 29 lessons · ₹14,000

- **12. Annexure : Machine Learning Basics** 6 lessons
 - Linear Regression
 - Logistic Regression
 - Support Vector Machine
 - K Nearest Neighbors Algorithm
 - Decision Trees
 - Random Forest
- **13. Data preprocessing in Python** 13 lessons
 - Dataset Preparation
 - Training and Testing Set
 - Importing Dataset
 - Essential Libraries for Pre Processing
 - Numpy Introduction
 - Numpy Operations & Manipulation
 - Numpy Bonus Operations
 - Pandas in Python
 - Pandas Operations for Data
 - Pandas Bonus Operations
 - Matplotlib in Python
 - Handling Missing Data
 - Feature Scaling in ML
- **14. Sentiment Analysis for Deep Learning** 3 lessons
 - Sentiment Analysis using Deep Learning
 - Data Preparation for Sentiment Analysis using Deep Learning
 - Train Test Split for Sentiment Analysis Using Deep Learning
- **15. Poetry Generation in Deep Learning** 1 lessons
 - Poetry Generation in NLP
- **16. Deep Learning for Advanced AI** 4 lessons
 - Deep Learning for Advanced AI RL & Gen AI
 - What is Reinforcement Learning
 - Introduction to GEN AI
 - Prompt Engineering - Techniques & Examples
- **17. Capstone Project** 1 lessons
 - DL Capstone Project
- **18. Conclusion** 1 lessons
 - Conclusion of DL

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.