

Since 2007, Making IT Experts & Products

Learning Course: Month Machine Learning & Deep

Duration: 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

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- * Month Machine Learning & Deep Learning Curriculum
- * Python, Data Analysis & Mathematical Foundations
- * Python for Data Science: NumPy, Pandas, Data Cleaning, and Matplotlib/Seaborn.

Optimization. * Mathematics for AI: Linear Algebra, Multivariate Calculus, Probability, and

- * Core Machine Learning Algorithms

Methods (Random Forest, XGBoost): Linear/Logistic Regression, Decision Trees, and Ensemble

Reduction. * Unsupervised Learning: K-Means, Hierarchical Clustering, PCA, and Dimensionality

- * Machine Learning Engineering & Feature Pipelines

Evaluation Metrics: Feature Engineering, Cross-Validation, Hyperparameter Tuning, and Model

Deployment with FastAPI. * End-to-End ML Pipeline Architecture, Scikit-Learn Pipelines, and ML Model

- * Deep Learning Foundations & Artificial Neural Networks

Backpropagation. * Perceptron Model, Multi-Layer Perceptrons (MLP), Activation Functions, and

- * Building and Training Neural Networks with PyTorch and TensorFlow/Keras.

- * Computer Vision (CNNs) & Natural Language Processing (RNNs)

Learning, and Object Detection. * Convolutional Neural Networks (CNNs), Pooling, Data Augmentation, Transfer

Sentiment Analysis. * Recurrent Neural Networks (RNNs), LSTMs, GRUs, Sequence Models, and

- * Transformers, Generative AI Foundations & Capstone Project

Ecosystem. * Attention Mechanisms, Transformer Architectures (BERT, GPT), and Hugging Face

Containerization. * End-to-End Industry Capstone Project: Model Training, MLOps Tracking,

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- Thank You -

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

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