



Become a Professional in **Machine Learning**

In **10** Weeks

Learn from Industry Experts | Live Projects | Placement Support

LN AI Academy is dedicated to providing industry-focused training that helps students build real skills for real jobs in Data Science, AI, Machine Learning, and modern development tools.

Our mission is to make high-quality tech education accessible for everyone. With expert mentors, practical projects, and job-oriented modules, we help learners build the confidence and expertise needed to grow in the IT industry. Whether you're starting from scratch or upgrading your skills, LN AI Academy ensures you gain the knowledge required to succeed.



10K+ Student Trained	250+ Real-World Projects	100% Placement Assistant
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Introduction To Machine Learning

- Traditional v/s Machine Learning Programming
- Real life examples based on ML
- Steps of ML Programming
- Data Preprocessing revised
- Terminology related to ML

Supervised Learning

- Classification
- Regression

Unsupervised Learning

- Clustering

KNN Classification

- Math behind KNN
- KNN implementation
- Understanding hyper parameters

Performance metrics

- Confusion Matrix
- Accuracy Score
- Recall & Precision
- F-1 Score
- R2 Score

Regression

- Math behind Regression
- Simple Linear Regression
- Multiple Linear Regression
- Polynomial Regression
- Boston Price Prediction
- Cost or Loss Functions
 - Mean absolute error
 - Mean squared error
 - Root mean squared error
 - Least Square Error
- Regularization

Logistic Regression for classification

- Theory of Logistic Regression
- Binary and Multiclass classification
- Implementing titanic dataset
- Implementing iris dataset
- Sigmoid and softmax functions

Feature Selection & Dimensionality Reduction

- ANOVA Test
- Ridge/Lasso
- Decision Tree
- Principal Component Analysis (PCA)

Support Vector Machines

- Theory of SVM
- SVM Implementation
- kernel,gamma,alpha

Decision Tree Classification

- Theory of Decision Tree
- Node Splitting
- Implementation with iris dataset
- Visualizing Tree

Ensemble Learning

- Random Forest
- Bagging and Boosting
- Voting Classifier

Model Selection Techniques

- Cross Validation
- Grid and Random Search for hyper parameter tuning

Clustering

- K-means Clustering
- Hierarchical Clustering
- Elbow technique
- Silhouette coefficient



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