



Adyapan School

Machine Learning



Duration - 2 months

Industry
Certification



Skill India Certified

250+
Partner Companies

From data to decisions master machine learning.

From mathematics to model deployment - become industry-ready.

This immersive 8-week Machine Learning program takes you beyond theoretical concepts into real-world model building and deployment. Learn regression, classification, neural networks, and advanced algorithms through hands-on simulations and guided projects. With a strong focus on practical implementation and system-level thinking, you'll graduate with the ability to build predictive models, work with real datasets, tune and evaluate model performance, and deploy machine learning solutions for real-world applications.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES



ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course — a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders — defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS



Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.



1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

8 weeks. 8 modules. Infinite impact.

WEEK 1

Introduction to Machine Learning

- Discussion of Curriculum
- What is Machine Learning?
- Types: Supervised, Unsupervised, Reinforcement Learning
- Applications in real-world scenarios
- Python basics for ML



WEEK 2

Data Preprocessing & Exploration

- Data cleaning and handling missing values
- Feature selection and engineering
- Data normalization and scaling
- Exploratory data analysis (EDA) with Pandas & Matplotlib



WEEK 3

Supervised Learning Algorithms

- Linear Regression & Logistic Regression
- Decision Trees & Random Forest
- Support Vector Machines (SVM)
- Model evaluation metrics (accuracy, precision, recall, F1-score)



8 weeks. 8 modules. Infinite impact.

WEEK 4

Unsupervised Learning Algorithms

- Clustering: K-Means, Hierarchical
- Dimensionality reduction: PCA
- Anomaly detection techniques
- Real-world use cases



WEEK 5

Neural Networks & Deep Learning Basics

- Introduction to neural networks
- Activation functions and architecture
- Forward and backward propagation
- Simple feedforward network implementation



WEEK 6

Model Evaluation & Hyperparameter Tuning

- Train-test split, cross-validation
- Overfitting and underfitting
- Hyperparameter optimization
- Grid search and random search techniques



8 weeks. 8 modules. Infinite impact.

WEEK 7

ML Tools & Libraries

- Scikit-learn for ML
- TensorFlow / PyTorch basics
- Data visualization with Seaborn & Matplotlib
- Building and saving ML models



WEEK 8

Capstone Project & Deployment

- End-to-end ML project
- Predictive modeling and evaluation
- Model deployment overview (Flask/Streamlit)
- Career guidance and resume preparation



WHO THIS IS FOR

This course is perfect for

Engineering Students

Aspiring Data Scientists & AI Engineers

Data Analysts

Software Developers

Business Analysts & Product Managers

Career Switchers

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Dalme

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

Apply Now