



MACHINE LEARNING COURSE

ANSH InfoTech Affiliation with Skill India



Skill India
कौशल भारत - कुशल भारत

Career in MACHINE LEARNING



Why Build a Career in Machine Learning?



Demand is So High For Machine Learning

The Global Machine Learning (ML) Market Size Was Valued At USD 15.44 Billion In 2021. The Market Is Expected To Grow From USD 21.17 Billion In 2022 To USD 209.91 Billion By 2030.



8+ Job Roles & Career Paths

Machine Learning (ML) offers a wide range of job roles and diverse career paths like Machine Learning Engineer/Developer, Data Scientist, Research Scientist, AI/ML Consultant, Data Engineer, and many more.



6.2 Lakh Per Annum Average Salary

Machine Learning Engineer salary in India ranges between ₹ 3.0 Lakhs to ₹ 21.0 Lakhs with an average annual salary of ₹ 6.2 Lakhs. Salary estimates are based on 4.5k latest salaries received from Machine Learning Engineers.



Guaranteed Growth in Job and Career

By acquiring the right skills, you can be on your way to building a fast-growing career in the field of Machine Learning.



Work Remotely for International Companies

Numerous brands and organizations around the world hire Machine Learning professionals for remote work and offer a lucrative package.



Opportunities in Both Public & Private Sectors

As a Machine Learning professional, you have the opportunities to work in both public and private sector organizations of all sizes.

Who Can Learn **MACHINE LEARNING?**

Machine Learning becomes easier for you with proper guidance & advanced projects by ANSH InfoTech's machine learning's expert trainers. You can acquire this skill if you are:



College Student

Start shaping your career right from college time by learning in demand machine learning skills.



Graduate

Time for you to upskill, prepare yourself for a bright future, and kickstart a career in machine learning.



College Dropout

Not sure which career is right for you? Not finding any jobs? Learn machine learning with us to instantly land your first job.



Looking to Switch Career

Not satisfied with your current job profile? Switch to machine learning, one of the most demanded and highly-paid skills.

A Brief About **ANSH InfoTech**

India's Most Trusted IT Training Institute

Ansh InfoTech is a leading IT training and software development company based in Ludhiana, Punjab, India. Since 2014, Ansh InfoTech has trained over 50k students and provided internship opportunities to over 4,500 candidates.

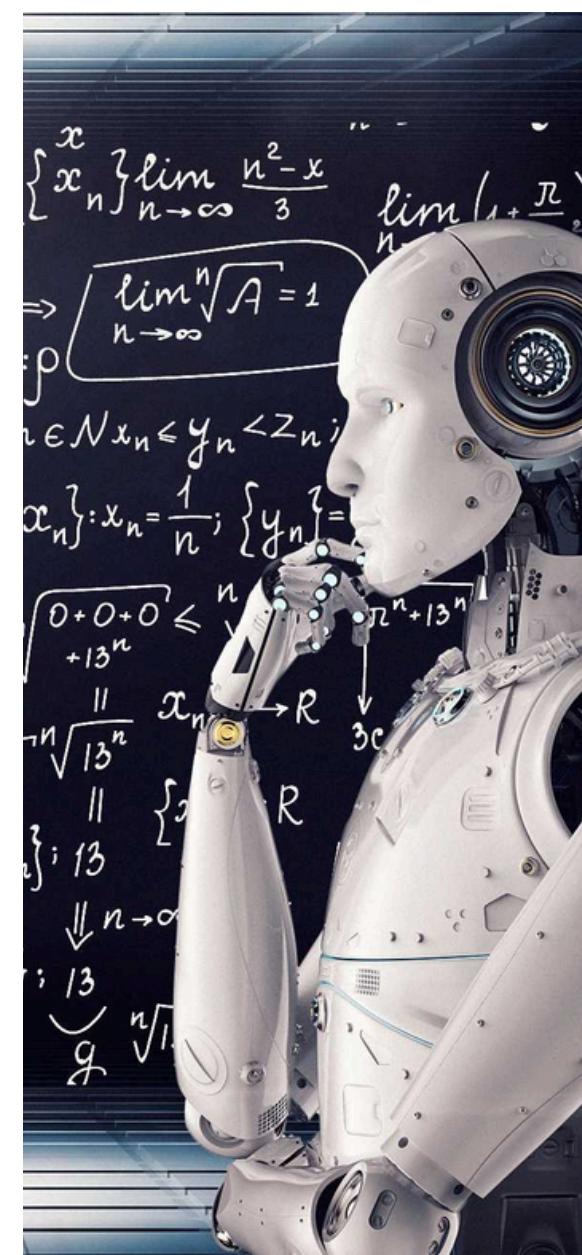
Additionally, Ansh InfoTech is one of the fastest growing tech-enabled company in Ludhiana.

With its expert team of trainers in various technical fields like Ethical Hacking, Web Development, Data Science, Digital Marketing, and many more. Company has helped thousands of students from India and other Asian countries acquire new skills and explore high-paying career opportunities.

Our learners work for top brands, companies and unicorns across India and around the world.



Why Learn **Machine Learning** With **ANSH InfoTech** Only?





Trusted by **50k** Learners

We are the #1 preference of more than 50k learners in India and Asian countries. Our training quality and support system intrigue learners.



Completely Practical-Oriented

Machine Learning is a skill that requires immense practice. For that, we offer 100% practical training with regular assignments, assessments, and projects.



Online and Offline Batches

Machine Learning is a skill that requires immense practice. For that, we offer 100% practical training with regular assignments, assessments, and projects.



Comprehensive Curriculum

The Machine Learning course by ANSH InfoTech includes India's most comprehensive curriculum, covering all breadths and depths in detail & practically.



Job Assistance

On course completion, we assist you with job interviews and resume building. Next, your interviews are arranged with top companies to help you land the job easily.



Expert Trainers

You will learn Machine Learning from expert trainers having 10+ years of experience in the field. We ensure high-quality training always.



Industry-Recognized Certification

The certificate you receive on course completion is valid nationally and internationally. You can easily share it, add it to your resume, and explore great opportunities.



Hands-On Live Projects

You will apply all the practices on real websites (no dummies), do everything on your own, and make use of premium tools.



Course Curriculum (6 Weeks)

Master all Concepts of Machine Learning!

Module 01

INTRODUCTION TO PYTHON

- Functions and If – Else Loops
- Statement
- Control Flow Statements
- Lists & List Comprehension
- Sets, Dictionaries & Dictionary comprehension
- Working with classes
- Inheritance
- Polymorphism

Task: Library management system using OOP

Module 02

INTRODUCTION TO MACHINE LEARNING & TYPES OF ML

- Overview of machine learning concepts and applications
 - Types of machine learning: supervised, unsupervised, and reinforcement learning
- Machine learning workflow and model evaluation

Task: Titanic dataset implementation

Module 03

DATA PRE-PROCESSING FOR MACHINE LEARNING

- Data cleaning: handling missing values, outliers, and inconsistent data
- Feature selection and feature engineering techniques
- Data scaling, normalization, and transformation

Task: Perform Data Pre-processing house price data

Module 04

INTRODUCTION TO EDA

- Overview of data preprocessing and EDA concepts
- Importance of data preprocessing and EDA in the data analysis pipeline
- Key steps involved in data preprocessing and EDA

Task: Perform EDA on dataset (eg:- Iris, Titanic)



Master all Concepts of Machine Learning!

Module 05

SUPERVISED LEARNING ALGORITHMS

- Linear regression and logistic regression
- Decision trees and random forests
- Support vector machines (SVM)
- k-Nearest Neighbors (k-NN)
- Naive Bayes classifiers

Task: Perform linear regression on data set

Module 06

MODEL EVALUATION AND VALIDATION

- Evaluation metrics: accuracy, precision, recall, F1 score, ROC curves, etc.
- Cross-validation techniques: k-fold cross-validation, stratified cross-validation
- Overfitting and underfitting: bias-variance tradeoff, regularization techniques

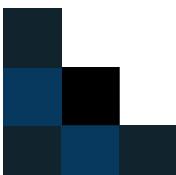
Task: To evaluate the efficiency of model use evaluation metrices

Module 07

UNSUPERVISED LEARNING ALGORITHMS

- Clustering techniques: k-means, hierarchical clustering, DBSCAN
- Dimensionality reduction: Principal Component Analysis (PCA), t-SNE
- Association rule learning: Apriori algorithm

Task: Create a dataset and implement K-means Qustering



Job/Placement Assistance

Once you complete the Machine Learning Course, you will get advanced placement assistance to help you prepare for the job. We will evaluate your skills, prepare you for the interview, and arrange interviews with top companies.

- **Interview Preparation and Live Practice**
- **Appealing Resume Building**
- **Conducting Interviews at Various Companies**
- **Internship Opportunities**
- **Getting High-Paying Freelance Projects**

Students We've Trained Work at Renowned Companies,
Startups, and Brands



Our Students Speak for Us!



**Siddhart
Bhasil**

"I did not have knowledge of Machine Learning before enroing in this course. However, everything was taught from scratch. Initially, I thought I can't do this. But the way of teaching and content is really simple and great!"



**Stuti
Kumari**

"This is simply the best Machine Learning course. Teachers did a great job and put his heart into teaching all concepts of the course. Whenever I had doubts, they was eager to answer and helped me learn easily. Highly recommended."



**Urvashi
Mishra**

" I'm glad I made the decision to take this course in ANSH InfoTech. Can't appreciate it enough. I missed a few live classes but they provided me the recording and also cleared my doubts in the next classes."



**Sandeep
Kumar**

"The trainer here makes the content easy to learn and answers all the questions during the classes. I learned a lot of important concepts which looked so complex to me when I started. I recommend this course to anyone who wants to learn Machine Learning."



**Ravi
Prakash**

"Thank you ANSH InfoTech. I really learned a lot during the entire Machine Learning training. The practicals, exercises, and projects were really good. I applied for a few jobs in the Machine Learning field and finally got placed with a good package."



**Ajay
Gupta**

"I would like to thank the trainer and ANSH InfoTech for the enhanced training provided during the entire course. The trainer has brilliant knowledge. The course content covers beginner to pro. Also, teachers here are good motivators and friendly."

Mode of LEARNING



CLASSROOM
+



ONLINE

AIT has a CLASSROOM + ONLINE training pattern where students have the flexibility to attend the sessions IN CLASSROOM as well as ONLINE. AIT Trainers conduct the training sessions live from AIT Classrooms. All AIT sessions are live streamed for students from that batch, thus enabling students to attend the same sessions ONLINE and interact with the Trainer as well as other students.

Skill-Sets Covered



**INTRODUCTION TO
NUMPY AND PANDAS**



**BASIC WORKING WITH
SCIKIT LEARN**



EVALUATION METRICS



BASIC PYTHON



SUPERVISED LEARNING



UNSUPERVISED LEARNING

Tools & Technologies



CERTIFICATE OF ANSH INFOTECH AFFILIATION WITH SKILL INDIA



Certificate of Affiliation



SKILL India
कौशल भारत - कुशल भारत

This is to certify that

ANSH INFOTECH (16217)

is an **Authorised Training Center of**
National Skill Qualification Framework (NSQF)



Scan Barcode with your Mobile Phone
or App for verification of the Certificate

Date of Issue : 10 September, 2023
Valid Upto: 09 September, 2025

Signing Authority
An Approved Training Partner of
National Skill Qualification Framework

STUDENT CERTIFICATE



CERTIFICATE

This is to certify that

ARADHYA MALHOTRA

Son/ Daughter of **JATINDER KUMAR** Candidate ID : CAN_26645166

has successfully completed training in

"DIPLOMA IN DATA ANALYTICS AND MACHINE LEARNING" Course

conforming to National Skill Qualification Framework-Level 5

with Grade A

from **ANSH INFOTECH**

at **LUDHIANA, PUNJAB**

Date of Issuance : 2023-10-20



Scan Barcode with your Mobile Phone
or App for verification of the Certificate

Signing Authority
An Approved Training Partner of
National Skill Qualification Framework

Events & Workshops

at ANSH InfoTech



WORKSHOPS







PLACEMENT DRIVE AT ANSH InfoTech



AWARDING STAR PERFORMERS





Take Your Career's Most Important Step Today

Towards Building a Thriving Career in **Machine Learning!**

■ Course Duration: 6 Weeks



Call Now for more info : +91 94171-68347 / +91 8427-899400

Contacts Us:

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