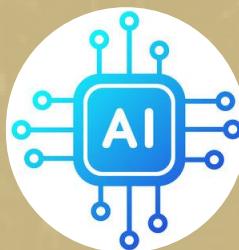




Leading Online Training Provider !

MACHINE LEARNING WITH AI



About Us

Hachion is an organisation that has been set up to provide live instructor-led interactive online training designed for professionals and students worldwide. Our training programs cover a wide array of in-demand domains. We provide an accessible and cost-effective learning solution that caters to the needs of millions of learners. At Hachion, we are committed to empowering individuals with the skills and knowledge they need to excel in today's competitive world. Join us and take the first step toward achieving your career aspirations!

100,000+

STUDENTS
ENROLLED

25000+

COMPLETE
COURSES

500+

CERTIFIED
TRAINERS

1000+

JOB
SECURED

Top IT firms collaborate with Hachion



Reference Guide

Section-1

Course Information & Training Details

- 👉 About Machine Learning with AI
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- 👉 Benefits
- 👉 Course Learning Path
- 👉 Hachion Certificate
- 👉 Job Marked on Machine Learning with AI
- 👉 Salary Range
- 👉 Job Roles in Machine Learning with AI

Section-2

Job Placement Services

- 👉 Mock Interview
- 👉 Resume Building
- 👉 Linkedin profile setup
- 👉 Dice and Indeed portal accounts setup
- 👉 Interview Preparation FAQs
- 👉 Interview grooming sessions
- 👉 Walkthrough resume
- 👉 Resume floating
- 👉 Doubts clarification sessions

About Machine Learning with AI

Machine Learning (ML) is a core subset of Artificial Intelligence (AI) that enables computers to learn from data and improve their performance over time without being explicitly programmed. It powers everything from recommendation systems and voice assistants to fraud detection and self-driving cars. By analyzing patterns and trends in large datasets, ML algorithms can make predictions, automate decision-making, and uncover insights that drive innovation across industries. This course introduces students to the fundamentals of ML and how it's used within the broader field of AI to solve real-world problems through intelligent, data-driven systems.

Who can learn Machine Learning with AI ?

This course is designed for anyone passionate about data, technology, and problem-solving —no prior coding or data science experience is required. Ideal participants include:

1 Students & Recent Graduates

- 👉 Students & Recent Graduates looking to build a career in data science, AI, or analytics.

3 Software Engineers & Developers

- 👉 Software Engineers & Developers wanting to expand into AI and ML.

5 Entrepreneurs & Innovators

- 👉 Entrepreneurs & Innovators who want to leverage AI to create smarter products.

2 Professionals from non-IT

- 👉 Professionals from non-IT backgrounds aiming to transition into tech roles.

4 Business Analysts & Domain Experts

- 👉 Business Analysts & Domain Experts seeking to enhance data-driven decision-making.

Benefits of Machine Learning with AI

- 👉 High Demand & Career Opportunities

- 👉 Hands-On Experience

- 👉 Hands-On Experience

- 👉 Real-World Problem Solving

- 👉 Hands-On Experience

About Machine Learning with AI

Skills Covered

- 👉 Foundational Knowledge
- 👉 Programming & Data Handling
- 👉 Exploratory Data Analysis & Visualization
- 👉 Machine Learning Algorithms
- 👉 Deep Learning & Neural Networks
- 👉 Model Deployment
- 👉 Capstone Project

How Training works

-  Course Duration : 45 Days
-  Classes : 1 Hour Daily
-  Available Slots : Morning & Evening
-  Week Days : Monday - Friday

Benefits

-  Live Interaction Session
-  Customized Curriculum
-  Convenience & Flexibility
-  Hands on Project
-  Collaborative learning Environment
-  24/7 Support
-  Certification preparation materials
-  Certification guidance & Support
-  Life Time access to class recordings, materials
-  Interview FAQ's
-  Whatsapp Groups for better communication
-  Free access to one more batch
-  Doubt clarification session
-  Instant doubt clarification & Feedback
-  Sample Resume
-  Mock interview

Learning Path

Topic-1 : Introduction to AI and ML

- 👉 Overview of AI and ML
- 👉 Definitions and key concepts
- 👉 History and evolution
- 👉 Applications and future trends
- 👉 Setting Up the Environment
- 👉 Installing Python and libraries (NumPy, pandas, scikit-learn, TensorFlow, PyTorch)
- 👉 Introduction to Jupyter Notebooks
- 👉 Basic Python for Data Science
- 👉 Data structures and libraries
- 👉 Basic data manipulation with pandas

Topic-2 : Data Preprocessing and Exploration

- 👉 Data Collection and Cleaning
- 👉 Handling missing values
- 👉 Data normalization and scaling
- 👉 Exploratory Data Analysis (EDA)
- 👉 Visualization techniques using Matplotlib and Seaborn
- 👉 Descriptive statistics
- 👉 Feature Engineering
- 👉 Feature selection and extraction
- 👉 Encoding categorical variables

Topic-3 : Supervised Learning

- 👉 Regression Algorithms
- 👉 Linear regression

Learning Path

- 👉 Polynomial regression
- 👉 Classification Algorithms
- 👉 Logistic regression
- 👉 K-Nearest Neighbors (KNN)
- 👉 Decision Trees and Random Forests
- 👉 Model Evaluation
- 👉 Accuracy, precision, recall, F1-score
- 👉 Cross-validation and Hyperparameter tuning

Topic-4 : Unsupervised Learning

- 👉 Clustering
- 👉 K-Means Clustering
- 👉 Hierarchical Clustering
- 👉 Dimensionality Reduction
- 👉 Principal Component Analysis (PCA)
- 👉 t-Distributed Stochastic Neighbor Embedding (t-SNE)
- 👉 Anomaly Detection

Topic-5 : Introduction to Neural Networks

- 👉 Basics of Neural Networks
- 👉 Perception model
- 👉 Activation functions
- 👉 Training Neural Networks
- 👉 Forward propagation and backpropagation
- 👉 Loss functions and optimization techniques
- 👉 Implementing Neural Networks using TensorFlow and Keras

Learning Path

Topic-6 : Advanced Neural Networks and Deep Learning

- 👉 Convolutional Neural Networks (CNNs)
- 👉 Image classification
- 👉 Convolution and pooling layers
- 👉 Recurrent Neural Networks (RNNs)
- 👉 Sequence modeling
- 👉 Long Short-Term Memory (LSTM) networks
- 👉 Implementing CNNs and RNNs using TensorFlow and PyTorch

Topic-7 : Model Deployment and Production

- 👉 Model Evaluation and Testing
- 👉 Performance metrics
- 👉 Model validation
- 👉 Deploying Models
- 👉 Introduction to Flask/Django for deploying ML models
- 👉 Building and deploying a simple API
- 👉 Monitoring and Maintenance
- 👉 Model monitoring
- 👉 Handling model drift

Topic-8 : Project Work and Wrap-Up

- 👉 Capstone Project
- 👉 Students work on a real-world project incorporating learned techniques
- 👉 Guidance and support provided
- 👉 Presentations
- 👉 Students present their projects
- 👉 Course Review and Future Directions
- 👉 Review of key concepts
- 👉 Career advice and next steps in AI/ML



Hachion Certificate

Hachion's Machine Learning with AI online training program is designed to make you proficient in all aspects of Machine Learning with AI. This course not only enhances your expertise in the field but also prepares you for Machine Learning with AI Certification, ensuring you stand out as a skilled professional.

Unlock Your Hachion Machine Learning Training Course Completion Certificate.



To receive your course completion certificate, please ensure the following:

- 👉 **Complete the Course:** Successfully finish 100% of the course content.
- 👉 **Mock Interview:** Participate in the Machine Learning with AI mock interview and receive positive feedback from our experts.
- 👉 **Provide Training Feedback:** Share your experience and valuable feedback about the training program.

Glimpse on Career in Machine Learning with AI



Job Market on Machine Learning in USA

The global job market for AI and Machine Learning is booming, with companies across all sectors seeking skilled professionals to drive data-driven innovation. As industries shift toward automation and smart technologies, the demand for AI/ML talent continues to outpace supply. Thousands of job openings on platforms like Naukri, LinkedIn, and Glassdoor, with continuous growth forecasted for the next decade, Companies like Google, Amazon, Microsoft, TCS, Accenture, Infosys, and startups across the globe are hiring AI/ML professionals.

Salary Ranges



Entry-Level Positions

Around \$30-60/hour



Mid-Level Positions

Around \$65-100/hour



Senior-Level Positions

Up to \$110-180+/hour

Note : These figures can fluctuate depending on factors such as geographic location, industry, and the complexity of the Machine Learning

Job roles in Machine Learning

- Machine Learning Engineer
- Data Scientist
- Deep Learning Engineer
- AI Research Scientist
- Business Intelligence Analyst

- AI Engineer
- Data Analyst
- ML Ops Engineer
- AI Consultant

Our Placement Services



Explore the services we provide



Mock Interview (LIVE) :

After completing the training, we will conduct a mock interview to assess your confidence and readiness. This session is designed to help you build confidence and identify areas for improvement. Once the mock interview is completed, we will provide detailed feedback, and our expert will guide you on how to enhance your skills further.



Resume Building :

We offer dedicated resume-building assistance to help you craft a professional and impactful resume tailored to your desired role. Highlighting relevant skills, Structuring your resume for clarity and effectiveness.Aligning your experience with industry standards and job requirements.Customizing your resume for Machine Learning, This service ensures your resume stands out, making a lasting impression on potential employers.



Interview Preparation FAQs :

We will provide comprehensive interview preparation materials, including frequently asked questions (FAQs), to help you confidently tackle your interviews.



Interview grooming sessions :

We will provide a dedicated interview grooming session to help you enhance your skills, build confidence, and present yourself effectively during interviews.

Our Placement Services



Linkedin profile setup :

We will assist you in setting up and optimizing your LinkedIn profile to showcase your skills, certifications, and achievements, making you more visible to potential employers and recruiters.



Dice and Indeed portal accounts setup :

We will assist you in setting up and optimizing your accounts on Dice and Indeed portals to enhance your job search, making it easier for recruiters to discover your profile and connect with you for relevant opportunities.



Walkthrough resume and explain about resume :

We will guide you through your resume and help you effectively explain its content, ensuring you confidently present your skills, experiences, and accomplishments during interviews.



Doubts clarification sessions with our expert :

We offer personalized doubt clarification sessions with our expert to resolve your queries and ensure a thorough understanding of the concepts.

Our Learners Speak



S

Shital Ghaghada 



“ Great training with good course content which was extremely informative and helpful. The instructor was very thorough and knowledgeable who listened and answered the queries. Thank you for a great course training! ”



p Naidu 



“ The Data Analyst training focused heavily on hands-on coding, along with the theoretical aspects. It was highly useful in my real-time work. I recommend the training, and you will receive customized training based on your needs. I wish you the best of luck with the training and your career ”



Divya Harshika 



“ The class was excellent and very well-structured. The trainer explained all the concepts clearly with relatable examples, making it easy to understand. Their expertise and teaching style were highly commendable. ”



Tasneem ali 



“ If you are starting your career, This is the best learning platform. They provide highly skilled and amazing trainers, Who covers every topic, patiently listens and answer every question..Everyday Assignments are given for practice , I'm 100% satisfied. Thank you so much Hachion for giving me confidence and hope for my career future ! ”

Contact Us



Have any query ?



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Find Us on Your Favorite Platforms

