★ AI-INTEGRATED COURSE

NXT CERTIFIED MACHINE LEARNING PROGRAM

Launch your career in Data Science with Machine Learning!

Duration: 3 Month | **Certificate** · Intermediate | **Eligibility:** Basic understanding of programming and statistics. A backgro

OVERVIEW OF THE COURSE

The Nxt Certified Machine Learning Program is a comprehensive 3-month course designed to equip participants with the essential skills and knowledge in machine learning. The program covers various aspects of machine learning, including supervised and unsupervised learning, deep learning, and practical applications in real-world s...

- Hands-on experience with real-world projects
- Expert mentorship throughout the program
- Learn popular ML frameworks and tools
- Focus on ethical AI practices
- Capstone project for practical application



3 Month DURATION

8 SUBJECTS

4 PROJECTS

13 TOOLS

JOIN NOW →

WhatsApp us

WE ARE AVAILABLE AT
600+ LOCATIONS

NOT SURE WHICH COURSE IS RIGHT FOR YOU?
Choose the Best Course for You - Try our AI-Powered Career Counselling for FREE

Start free →

YOUR NEAREST ISDM NxT CENTRE
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IGNITE LEARNING ACADEMY SUKRTHAM COMPLEX 2 ND FLOOR THRIPRAYAR PIN : 690566, Thrissur, Kerala - 680566
Call / WhatsApp: **9895129398,8139850744** · igniteacademy3@gmail.com

Scan to enquire

COURSE CURRICULUM

What you will learn

01 Subjects → | 02 Projects → | 03 Tools → | 04 AI Integration

01 Subjects & modules

6 subjects with the topics you will learn

01 Introduction to Machine Learning & Data Preprocessing

- Machine Learning Fundamentals
- Types Of Machine Learning
- Real-World Machine Learning Applications
- Machine Learning Workflow
- Data Collection Methods
- Data Cleaning And Preprocessing
- Python Data Processing Libraries

02 Supervised Learning – Regression & Classification

- Regression Fundamentals
- Linear And Polynomial Regression
- Logistic Regression, Decision Trees, And Random Forests
- Classification Evaluation Metrics
- Scikit-Learn Preprocessing And Model Building
- Cross-Validation And Hyperparameter Tuning
- House Price Prediction Project

03 Unsupervised Learning – Clustering & Dimensionality Reduction

- K-Means Clustering And Cluster Selection
- Hierarchical Clustering And Linkage
- Clustering Evaluation And Comparison
- Dimensionality Reduction Fundamentals
- PCA For Feature Reduction
- t-SNE For Visualization
- Machine Learning Based Anomaly Detection

04 Neural Networks & Deep Learning

- Perceptrons And Activation Functions
- Deep Learning With TensorFlow And Keras
- Feedforward Networks And Backpropagation
- CNNs For Image Recognition
- RNNs And LSTMs For Sentiment Analysis

05 Model Deployment & ML in Production

- Model Deployment Fundamentals
- Flask And FastAPI Model APIs
- Framework Comparison And API Testing
- Hyperparameter Tuning And Optimization
- Cloud Deployment On AWS, GCP, And Azure
- Production Monitoring, Security, And Updates
- AI Ethics, Bias, And Fairness

06 Advanced Topics & Capstone Project

- Reinforcement Learning Fundamentals And Algorithms
- Reinforcement Learning Applications And Q-Learning
- Time Series Data And Forecasting Methods
- Stock Price Prediction And Preprocessing
- NLP Fundamentals And Chatbot Development
- End-To-End Machine Learning Project Workflow
- Model Optimization And Deployment

02 Projects & assignments

Hands-on work for your portfolio

P1 Create a predictive model using regression techniques.

P2 Develop a classification model for image recognition.

P3 Implement a clustering algorithm on real-world data.

P4 Build a recommendation system using collaborative filtering.

03 Tools & software you will master

4 industry tools

- Python
- TensorFlow
- Pandas
- Scikit-learn

04 AI Integration

How AI is used inside the work of this course

AI SUBJECT

AI Fundamentals & Prompt Engineering

- **AI Basics and Everyday Uses**
- **Generative AI: How It Works**
- **Prompt Engineering Foundations**
- **AI for Study and Workplace Tasks**
- **Fact-Checking and Reliable Research**
- **Privacy, Safety and Responsible Use**
- **Integrated Practice and Review**

AI SUBJECT

AI for Programming & Web Development

- **AI Pair Programming Setup: VS Code and GitHub Copilot**
  GitHub Copilot in VS Code: Sign in, use inline suggestions and Chat, then try agent mode o
- **AI-Assisted Front-End Development**
  GitHub Copilot in VS Code: Use inline suggestions and Chat while building and refining a r
- **Python Coding and AI Agents in the Editor and Terminal**
  Claude Code in Terminal and project files: Install or access it using the current official
- **GitHub Team Workflow and AI Code Review**
  GitHub Copilot code review in GitHub pull requests: Request a review on a practice pull re
- **Calling AI APIs from Your Own App**
  OpenAI API in A local app or server-side project: Create an API key with available account
- **AI-Assisted Testing, Debugging and Documentation**
  GitHub Copilot Chat in VS Code: Use project context to suggest tests or explain a failure,
- **AI-Assisted Deployment and Final Project**
  GitHub Copilot in VS Code: Ask for help preparing or explaining deployment files, then rev

AI TOOLS YOU WILL USE

- CH ChatGPT
- Google Gemini
- GitHub Copilot
- VS Code
- GitHub
- Claude
- MC Microsoft Copilot
- Perplexity
- NotebookLM

CAREER OPPORTUNITIES

Where this course can take you

Machine Learning Engineer
Fresher salary: ₹4.0-6.0 LPA*

Data Scientist
Fresher salary: ₹5.0-8.0 LPA*

AI Researcher
Fresher salary: ₹6.0-9.0 LPA*

Business Intelligence Analyst
Fresher salary: ₹3.5-5.5 LPA*

Data Analyst
Fresher salary: ₹3.0-5.0 LPA*

Freelancing & own business

- Offering machine learning consulting services
- Developing AI-driven applications
- Creating data analysis reports for businesses
- Providing online tutoring for ML topics

Industries that hire

- Technology
- Finance
- Healthcare
- Retail
- Consulting

Grow further

- Advanced Data Science Program
- Nxt Certified AI Program
- Specialization in Deep Learning

Certification

Upon successful completion, you will receive an ISDM NxT certificate, showcasing your skills in machine learning.

Practical AI-integrated project | **Final online test** | **Verifiable certificate**

JOB SUPPORT

How we help you get a job

1 Resume building assistance

2 Mock interview sessions

3 Access to job offers

4 Guidance on job applications

* Typical fresher salary ranges in India; the actual salary depends on the employer, the city and your skills.

WHY START NOW

Your future is built by the skills you learn today.

Companies hire people who can do the work. People who use AI well at work are in demand - this course teaches you the job skills and the AI tools together. Every month you practise adds a project to your portfolio - the best time to start is now.

18+	600+	2,708+	390+
Years of training experience	Centres across India	Job offers to our students	Hiring companies

UNIQUE FEATURES AT ISDM NxT

- ✓ Free pre-counselling to choose the right course
- ✓ Study material, attendance, assignments, exams and results online from day one
- ✓ 24x7 AI trainer (ChatNxT) for your doubts
- ✓ Experienced, rated trainers and daily class feedback
- ✓ Practical lab sessions and live projects
- ✓ Monthly online mentorship sessions
- ✓ Resume, mock interviews and job offers in your student dashboard
- ✓ Freelancing and start-up guidance

● LIVE PLACEMENT DATA

Latest job offers to ISDM NxT students

Updated 20 Nov 2026



Gaurav M.
India
Java Software Development Engineer
Health Catalyst



Geeta K.
New Delhi
tellecaller for digital marketing
balajimarketingexperts



Anand S.
Muvattupuzha
Hiring Junior Account Executive J...
CorpZop



Adarsh S.
Ghugus
TGT Computer Science
Adani Foundation



Priyanka Y.
Mumbai
Data Entry Operator (Full-time) -...
CorpZop



Rajan S.
Ahilyanagar
Computer Trainer
Enlearning skill development Ltd

Job offers shared with our students through the ISDM NxT job network. See all at isdmnext.in/latest-placement

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CLAIM NOW

TAKE THE FIRST STEP

Book your FREE counselling session today

Meet our counsellor, see the lab, get your doubts answered and know the current fees and offers for your centre.

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Try it FREE →
isdmnext.in/course-for-you

01
Counselling
Free guidance to pick the right course

02
Training
Practical classes, labs and projects

03
Mentoring
Experts, AI trainer and feedback

04
Placement support
Resume, interviews and job offers

What you get with this course

- Comprehensive study material
- Hands-on practical lab sessions
- Live projects to enhance learning
- 24x7 AI trainer support
- AI career counselling sessions
- Interview preparation assistance
- Job offers available on student dashboard
- Certification upon course completion

ISDM NxT Head Office: 309, Saffron Plaza, Airport Road, Vadodara, Gujarat, 390022 · +916263625594 · inquiry@gmail.com

Fees depend on the centre and current offers - ask your counsellor. Course content may be updated to stay current with industry needs. · isdmnext.in