



Build your AI/ML career with

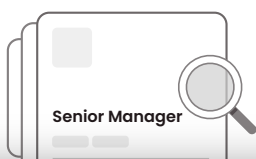
Certification in Artificial Intelligence and Machine Learning Program

6 Months Roadmap • 8-10 hrs/week • Certified by CCE, IIT Mandi

The #1 Fastest-Growing Career Field in 2026

1.3M+

New Global AI/ML Roles



₹5.5–28 LPA

Salary Range by Experience



43.76%

India AI Market Growth Rate (CAGR 2025–2031)



INDUSTRIES HIRING

 IT & SaaS

 Financial Services (BFSI)

 Healthcare

 Retail

 Ed Tech

 Media

 Logistics

 Agriculture & AgriTech

TOP RECRUITERS

Google

 Microsoft

amazon

 SWIGGY

 Razorpay

tcs TATA CONSULTANCY SERVICES

Infosys

zepto

meesho

wipro

 PhonePe

Sources: LinkedIn Economic Graph – Building a Future of Work That Works (January 2026); Glassdoor India – AI/ML Engineer Salaries (April 2026); Statista – Artificial Intelligence Market Forecast, India

CAREER ROADMAP

Foundation

MODULE 1

Python for AI/ML

Build programming fluency with Python, control flow and data structures.

Logical thinking • Problem decomposition

MODULE 2

SQL & Data Foundations

Retrieve, filter, and structure data from real-world relational databases.

Analytical thinking • Attention to detail

MODULE 3

NumPy & Pandas Essentials

Load, clean, transform, and restructure datasets for ML workflows.

Data intuition • Structured thinking

MODULE 4

EDA & Visualization

Inspect patterns, spot anomalies, and communicate findings through charts.

Visual storytelling • Curiosity-driven exploration

MODULE 5

Statistics for ML

Build intuition for probability, distributions, variance and uncertainty.

Quantitative reasoning • Comfort with ambiguity

MODULE 6

ML Fundamentals

Understand supervised learning, model evaluation and overfitting basics.

Conceptual abstraction • Systems thinking

Toolkit

PYTHON

GOOGLE COLLAB

SQL

PANDAS

NUMPY

MATPLOTLIB

SEABORN

Roles

Unlocked:

Junior Data Analyst

MIS Executive

AI / ML Intern

Applied AI Intern

Data Science Intern

Junior ML Analyst



"Foundation in Python, SQL, and ML fundamentals is exactly what the industry needs. This curriculum builds the right base - practical, tool-first, and job-ready from week one."

Praveen Kumar Punia

Senior Data Science Consultant



CAREER ROADMAP

Core Expertise

MODULE 1

Applied Math for ML

Build intuition for vectors, gradients, optimization, and distance metrics.

Abstract reasoning • Mathematical confidence

MODULE 2

Supervised Learning

Build predictive systems using core regression and classification approaches.

Decision-making under uncertainty • Pattern recognition

MODULE 3

Model Evaluation

Choose metrics, inspect failures, and build reproducible ML pipelines.

Critical thinking • Attention to detail

MODULE 4

Advanced ML Methods

Train ensembles, tune models, and explore clustering and anomaly detection.

Comparative analysis • Disciplined experimentation

MODULE 5

Deep Learning Basics

Learn neural networks, backpropagation, loss functions and training loops.

Conceptual abstraction • Tolerance for ambiguity

MODULE 6

Deep Learning in Practice

Implement deep learning workflows hands-on using PyTorch or TensorFlow.

Applied learning • Technical adaptability

Toolkit

PYTHON

TENSORFLOW

SQL

PANDAS

NUMPY

MATPLOTLIB

SEABORN

Roles

Unlocked:

Junior Data Scientist

Applied ML Engineer

Machine Learning Engineer Intern

Associate Data Scientist

Deep Learning Intern

AI / ML Engineer Intern



"The curriculum mirrors what modern ML teams actually build - from rigorous model evaluation to deep learning in production. This is the kind of training that closes the gap between classroom and industry."

Praveen Kumar Punia

Senior Data Science Consultant



CAREER ROADMAP

Industry Readiness Specialisation

MODULE 1

LLMs & Prompt Engineering

Learn transformer architecture, LLM basics, and practical prompting patterns.
Structured communication • Reasoning under constraints

MODULE 2

Embeddings & Vector Search

Understand text embeddings, semantic retrieval, and vector database fundamentals.
Analytical thinking • Systems thinking

MODULE 3

RAG & GenAI Applications

Build RAG pipelines, evaluate LLM outputs, and handle hallucination failure modes.
Applied learning • Critical thinking

Toolkit

OPENAI API

LANGCHAIN

PINECONE

STREAMLIT

FASTAPI

Roles

Unlocked:

Applied AI Engineer

GenAI Engineer Intern

AI Applications Associate

RAG / LLM Applications Intern

Junior AI Engineer

AI Solutions Associate



"Prompt engineering, RAG, and GenAI evaluation are exactly what hiring teams look for in 2026. This specialization builds the applied skills that take engineers from knowing LLMs to actually shipping with them."

Praveen Kumar Punia

Senior Data Science Consultant



INDUSTRY READINESS

Industry readiness is built in, not bolted on.

Placement Opportunity via Masai

Interview Access
& Career Support
Eligibility: 7+ CGPA
& 65% attendance



2 Days Campus Immersion at CCE, IIT Mandi

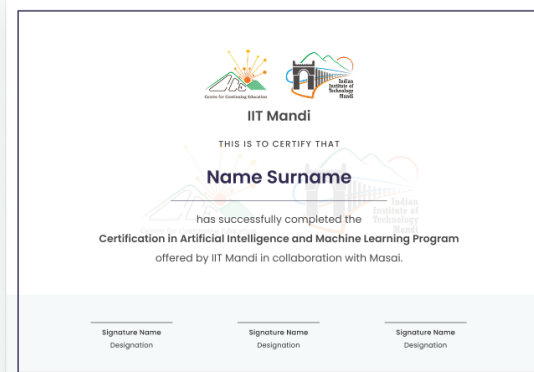


Build a strong
AI/ ML portfolio
that showcases
your skills



Capstone
Project Casestudy

Industry-Endorsed Capstone Project



Certificate from CCE, IIT Mandi

Minimum 65% attendance & 30% marks
in cumulative evaluations score

Learn from the
best faculty in
the industry



Meet Your Instructors



Dr. Indu Joshi

Assistant Professor, IIT Mandi

PhD from IIT Delhi with postdoctoral research at Inria France and TU Munich; President of India Silver Medalist specialising in deep learning.



Priyansh Saxena

MLE III, GoDaddy

Technology and research professional with experience across data science, analytics, and emerging technologies. passionate about leveraging data-driven insights to solve complex problems and drive impactful outcomes.



Praveen Kumar Punia

Senior Data Science Consultant, MU Sigma

Praveen Kumar Punia is a Decision Science professional with over 5 years of experience, specialising in data analytics and business intelligence.

Note: Instructors teaching your batch may change based on specific module expertise, or circumstances such as personal emergencies, unavailability, etc.

OUR ACADEMIC PARTNER

CCE, IIT Mandi

The Department of Computer Science and Engineering (CCE) at IIT Mandi is dedicated to fostering high-quality education and cutting-edge research. It prepares students to tackle complex computing challenges with a blend of theory and practice.

Key Highlights

Ranked **#26** in Engineering
(NIRF 2025)

2,500+ research publications
in Computer Science

Global partnerships with top
universities & industry

Strong focus on AI & Machine
Learning innovation



ENTRY PROCESS

Get Started In A Few Steps



Submit Application

Complete application form to showcase your motivation and goals



Complete Selection and Enrolment Session

Only shortlisted candidates go through the counselling process



Secure your seat

Learn from India's top educators and stand out from the crowd

Eligibility: Must have successfully completed Class 12 (or equivalent) from a recognised board.

FEE STRUCTURE

Pay Your Preferred Way

Application Fee

Non-refundable.

₹100

Upfront Payment

Pay once, save more

₹50,000 + GST

₹4,000 Registration + ₹46,000 Program Fee

EMI via NBFC Partners

Spread the cost over 6 months

₹8,587/month × 6

₹4,000 Registration + ₹51,522 Total Program Fee

Total: ₹55,522 + GST

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