



Build your AI/ML career with

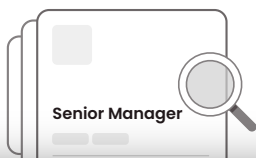
Specialized Program In AI/ML with Autonomous Vehicles

6 Months Roadmap • 10 hrs/week • Certified by TiHAN, IIT Hyderabad

The #1 Fastest-Growing Career Field in 2026

2,50,000+

Global AI & Autonomous
Systems Roles



₹5.5–28 LPA

Salary Range by
Experience



41%

India AI Market
CAGR



INDUSTRIES HIRING



Automotive & EVs



IT & SaaS



Defense & Aerospace



Logistics & Drones



Healthcare Robotic



Manufacturing

TOP RECRUITERS



Mercedes-Benz

TATA MOTORS

mahindra



Infosys®

OLA ELECTRIC

KPIT

Sources: LinkedIn Global Jobs Data (2025–26); Glassdoor Salary Intelligence India (2026); PwC Global AI Jobs Barometer 2025

CAREER ROADMAP

Foundation

Build strong foundations in data analysis and learn to train and evaluate basic machine learning models.

MODULE 1

Talk to Data

Use Python, SQL, and Excel to work with data and build clear reports that support decision-making.

Structured Thinking • Analytical Thinking

MODULE 2

Read Before You Model

Clean data, create visualisations, and understand patterns before applying any models.

Data Intuition • Pattern Recognition

MODULE 3

Train Your First Brain

Build and evaluate basic ML models, and learn to identify and fix common issues like overfitting.

Problem Framing • Critical Thinking

Toolkit

PYTHON

GOOGLE COLLAB

SQL

PANDAS

JUPYTER

EXCEL

NUMPY

Roles

Unlocked:

MIS Executive

Junior Data Analyst

Analytics Intern

Reporting Analyst

Data Operations Analyst



"Python, SQL, EDA — in the right order, with the right depth. Someone who's built this foundation is genuinely ready to add value on day one."

Aditya Jain

Senior Data Scientist



CAREER ROADMAP

Core Expertise

Develop advanced ML and AI systems, and deploy end-to-end real-world applications.

MODULE 1

Engineer Smarter Models

Handle imbalanced data, avoid leakage, and choose the right models while uncovering hidden patterns.

Engineering Judgment • Critical Evaluation

MODULE 2

Teach Machines to See & Read

Build deep learning models for images and text using CNNs and Transformers.

Systems Thinking • Pattern Recognition

MODULE 3

Ship It

Take ML projects from idea to production, track experiments, and deploy models as APIs.

Systems Thinking • Rapid Iteration

MODULE 4

Build with AI

Use LLMs, prompt engineering, and RAG to build intelligent, real-world applications.

Adaptive Thinking • Cross-Domain Thinking

Toolkit

TENSOR FLOW

KERAS

OPENCV

FASTAPI

LANG CHAIN

SCIKIT LEARN

Roles

Unlocked:

ML Engineer

Data Scientist

Reporting Analyst

Computer Vision Engineer



"Python, SQL, EDA — in the right order, with the right depth. Someone who's built this foundation is genuinely ready to add value on day one."

Aditya Jain

Senior Data Scientist



CAREER ROADMAP

Industry Readiness Specialisation

Apply AI to autonomous systems, integrating perception and decision-making to build industry-ready projects.

MODULE 1

Meet the Machine

Understand autonomous vehicles, sensors, and how AI powers real-world mobility.

Spatial Reasoning • Operational Awareness

MODULE 2

Navigate the World

Learn ROS and how systems move from sensing to navigation decisions.

Systems Integration • Structured Thinking

MODULE 3

Perception to Decision

Combine perception, language AI, and decision-making in mobility systems.

Cross-Domain Thinking • Systems Integration

MODULE 4

Build & Demo Live

Build a real project and experience live autonomous vehicle demos and ROS sessions at TiHAN, IIT Hyderabad.

Problem Solving • Operational Awareness

Toolkit

TENSOR FLOW

ROS

GAZEBO

PX4 AUTOPILOT

ARDUPILOT

Roles

Unlocked:

Autonomous Systems Engineer

Drone Engineer

Computer Vision Engineer — AV

Robotics Software Engineer (Perception / Navigation)

AI Engineer — Intelligent Mobility



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Aditya Jain

Senior Data Scientist



INDUSTRY READINESS

Industry readiness is built in, not bolted on.

Placement Opportunity via Masai

Eligibility: 7+ CGPA and
65% attendance



1.5-Day TiHAN, IIT Hyderabad Campus Immersion



Offline Assessment



Capstone
Project Casestudy

Industry-Endorsed Capstone Project



Certificate from TiHAN, IIT Hyderabad

Min. 65% attendance + 4 CGPA

Assured Interview at TiHAN, IIT Hyderabad



Meet Your Instructors



Prof. Sukrit Gupta

Assistant Professor, IIT Ropar

PhD (NTU) Singapore | Biomedical AI | Research & Innovation

Researches AI-driven healthcare systems, neuroimaging, and deep learning, with publications in leading venues including MICCAI and Nature.



Arul Francis

Associate Director, Data Science & AI

15+ Years | Enterprise AI | Generative & Predictive Models

Experienced in applying data science and AI techniques to solve business problems, with expertise in analytics, project execution and scalable solutions.



Aman Yasin Khan

Assistant Professor, IIT Ropar

Cloud AI & ML | Production Systems

Works on building and deploying scalable AI solutions using AWS, Python, and modern ML frameworks, with hands-on experience in real-world cloud applications.

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

OUR ACADEMIC PARTNER

TiHAN, IIT Hyderabad

TiHAN at IIT Hyderabad is a national initiative advancing autonomous mobility through research, talent development, and real-world deployment. Backed by the Government under NM-ICPS, it brings together academia, industry, and startups to accelerate innovation in next-generation transportation systems.

Key Highlights

India's #1 testbed for autonomous navigation and drone technology innovation

Enables research in unmanned systems across industry startups and defence use cases

Runs India's premier M.Tech program in Smart Mobility for future engineers

Supports over 35 startups building solutions in autonomous mobility and systems



ENTRY PROCESS

Get Started In A Few Steps



Clear Entrance test

Clear the entrance test to be eligible for the program



Complete Counselling

Only shortlisted candidates go through the counselling process



Start Learning

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

Entrance Test Fee

Non-refundable. Includes free mock test.

₹99

Upfront Payment

Pay once, save more

₹60,000 + GST

₹4,000 Registration + ₹56,000 Program Fee

EMI via NBFC Partners

Spread the cost over 9 months.

₹7,156/month × 9

₹4,000 Registration + ₹64,287 Total Program Fee
Total: ₹68,404 + GST

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