

A Venture of Digitrix Infotech Pvt Ltd

Simplifying Successful Results

Fast-Track AI + Machine Learning Training Program – 6 Weeks

📞 Call / WhatsApp: 9041417268

🎯 **Level:** Beginner to Job-Ready

🎓 **Best For:** College Students | Freshers | Beginners in Tech

👛 **Goal:** Build strong fundamentals in AI, Machine Learning & Python with practical exposure and a working mini project.

Highly suitable for software development roles in IT companies, startups, product-based firms, internships, and freelancing opportunities.

★ Week 1 – Introduction to AI & Machine Learning

Explanation:

Students understand what Artificial Intelligence and Machine Learning are, how they work, and where they are used in real-world industries.

Topics Covered:

- What is Artificial Intelligence?
- Difference between AI, Machine Learning & Data Science
- History & evolution of AI
- Real-world AI applications (ChatGPT, Netflix, Google Maps, self-driving cars)

- Narrow AI vs General AI
- Introduction to Machine Learning
- Career opportunities in AI & ML

Practical:

- Explore AI tools (ChatGPT, Gemini, Copilot)
- Identify AI use cases in daily life
- Basic AI activity & discussions

★ **Week 2 – Generative AI & Prompt Engineering**

Explanation:

Students learn how to use modern AI tools effectively using prompts and automation techniques.

Topics Covered:

- Introduction to Generative AI
- Basics of Prompt Engineering
- Writing effective prompts
- Text, image & code generation
- AI tools for productivity
- AI for resume building, emails, research & content creation
- AI limitations & ethics

Practical:

- Create prompts for business & productivity tasks
- Generate AI content and images
- Build reusable prompt templates

★ Week 3 – Python Programming for AI & ML

Explanation:

Students learn the Python fundamentals required for AI and Machine Learning development.

Topics Covered:

- Python introduction & setup
- Variables & data types
- Operators, loops & conditions
- Functions & modules
- Lists, tuples & dictionaries
- File handling basics
- Introduction to Jupyter Notebook

Practical:

- Python coding exercises
- Mini logic-building programs
- Data handling practice scripts
- Prediction model
- Classification project
- Model comparison

★ Week 4 – Fundamentals of Machine Learning

Explanation:

Students understand how machines learn from data and how ML models are trained.

Topics Covered:

- What is Machine Learning?
- Types of Machine Learning
 - Supervised Learning
 - Unsupervised Learning
- Training data vs testing data
- Regression & Classification concepts
- Introduction to ML workflow
- Real-life ML applications

Practical:

- ML demo using simple datasets
- Train a basic ML model (tool-based/demo)
- Prediction examples

★ Week 5 – Data Analysis & AI Libraries

Explanation:

Students learn how data powers AI systems and how to analyze data using Python libraries.

Topics Covered:

- Introduction to Data & datasets
- Data cleaning basics
- NumPy fundamentals
- Pandas for data analysis
- Reading CSV & Excel files
- Basic data visualization concepts
- Introduction to Matplotlib

Practical:

- Analyze sample datasets
- Perform basic data operations
- Generate simple charts & insights

★ Week 6 – Mini AI/ML Project & Career Guidance

Explanation:

Students combine all concepts into a mini project while learning industry guidance and career preparation.

Topics Covered:

- AI/ML project workflow
- Model training basics
- AI ethics & limitations
- Career paths in AI & ML
- Resume guidance for beginners
- Portfolio & internship guidance

Mini Project Options:

- AI Chatbot using AI tools
- Basic ML prediction project
- Data analysis dashboard
- AI-powered productivity tool

★ Final Outcomes After 6 Weeks

Students will be able to:

- Understand AI & Machine Learning fundamentals

- Use Generative AI tools effectively
- Write basic Python programs
- Understand ML concepts & workflows
- Perform basic data analysis
- Build a beginner-level AI/ML mini project
- Prepare for advanced AI learning & internships

★ Why This Course is Popular

- High demand for AI & ML skills in IT companies
- Industry-focused practical learning
- Beginner-friendly structured roadmap
- Strong foundation for future AI careers
- Helpful for software jobs, freelancing & internships
- Exposure to real-world AI tools & workflows

Freshers Salary Range

₹20,000 – ₹40,000/month *(based on skills & projects)*

Our Location

 Digitrix Infotech Pvt Ltd.

3rd Floor, E-300, Industrial Area, Sector 75, Sahibzada Ajit Singh Nagar, Punjab

Our Websites

 Academy: <https://www.digitrixacademy.com/>

 Company: <https://www.digitrix.com/>



 **LIMITED SEATS – Don't Miss Out!**

 **Call / WhatsApp: 9041417268**

-  **Get a FREE AI Career Guidance Session**
-  **Become job-ready in AI, ML & Generative AI**
-  **Build real-world projects & portfolio**

 **Our Partners**



भारतीय प्रौद्योगिकी संस्थान मंडी

INDIAN INSTITUTE OF TECHNOLOGY MANDI



CENTRAL INSTITUTE OF INDIAN LANGUAGES

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA



 magical nest

