



ARTIFICIAL INTELLIGENCE COURSE

45 DAYS PRACTICAL COURSE IN JAIPUR



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Course Overview

Get AI-Ready with Hands-On Training & Real Projects

Artificial Intelligence is reshaping industries – from healthcare to marketing, finance to e-commerce. This **45-day AI Course by SkillUpgrades** is designed to give you **practical knowledge of AI concepts, tools, and implementation** using Python.

You'll work on real projects, build intelligent systems, and learn how to integrate AI in business and products. Whether you're a student, developer, or career switcher, this course helps you enter the world of intelligent automation confidently.

What You'll Learn

- What is Generative AI and how it works
- Fundamentals of Artificial Intelligence
- Python for AI: NumPy, Pandas, Matplotlib
- Supervised & unsupervised learning algorithms
- Introduction to neural networks
- AI in NLP, image processing, and recommendation systems



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- Decision trees, regression, clustering, classification
- Real-life use cases in healthcare, finance, and e-commerce
- Building AI models and deploying them
- Basics of TensorFlow & Keras
- Capstone AI project and portfolio building

Who Should Enroll

- Students and graduates in computer science, engineering, or related fields
- Software developers and data analysts
- Professionals looking to transition into AI roles
- Entrepreneurs and tech enthusiasts exploring AI-powered products

Requirements

- Basic understanding of Python (or willingness to learn fast)
- Laptop with at least 8GB RAM
- Interest in automation, data, and problem-solving
- No advanced math or AI knowledge required



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Course Modules – Artificial Intelligence (45 Days)

Module 1: Introduction to Generative AI & LLMs

- What is AI? History and scope
- AI vs ML vs Deep Learning
- Python setup, Jupyter Notebook
- Data types, loops, functions, file handling

Module 2: Data Handling for AI

- NumPy for numerical operations
- Pandas for data manipulation
- Data visualization using Matplotlib & Seaborn
- Cleaning and preparing datasets



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Module 3: Machine Learning Essentials

- Supervised Learning: Linear & Logistic Regression
- Decision Trees & Random Forests
- Unsupervised Learning: K-Means Clustering
- Model evaluation metrics

Module 4: Introduction to Neural Networks

- Basics of Artificial Neural Networks
- Activation functions, forward & backward propagation
- Using Keras & TensorFlow (intro level)
- Image and text data examples

Module 5: AI Applications & Real Projects

- AI for image recognition (OpenCV basics)
- Natural Language Processing (NLP) with spaCy/NLTK
- Recommendation engines
- Chatbot logic & simple deployment



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Module 6: Capstone Project & Portfolio

- Choose and build an AI use case (e.g. prediction model, recommendation engine, or image classifier)
- Model training, testing, and optimization
- Final project presentation
- Portfolio setup (GitHub/LinkedIn/Resume guidance)

Course Highlights

- 100% practical, project-driven AI training
- Python-based implementation
- Tools: Jupyter, Pandas, TensorFlow, Keras, OpenCV
- Industry use cases and deployment mindset
- Certificate of Completion
- Career guidance & job interview prep included

Thank You



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