Real-World Projects

Wholesome curriculum

Learn from Industry Leaders

Holistic Learning

Expert Instructors

Code to Excel!!!

Right Angle

AI+ Python Programming Intermediate Level

Curriculum Overview

Foundations of AI:
- Understanding the significance of concepts.

Introduction to Machine Learning:
- Grasping fundamental principles & applications.

Data Representation in Python:
- Utilizing Python for effective data representation using variables and data types.

Creative Problem-Solving:
- Enhancing problem-solving skills through creative Python programming.

Pattern Recognition and Loops:
- Mastering patterns and loops in Python.

Mathematics for AI:
- Basic mathematical concepts supporting AI.

AI in Entertainment:
- Exploring AI's impact on gaming, music, and film production.

Advanced AI Concepts:
- Introduction to neural networks and deep learning.

Natural Language Processing (NLP):
- Introduction to NLP and its applications.

AI Ethics and Bias:
- Understanding ethics and biases in AI development & deployment.

AI in Robotics:
- Applications of AI in robotics and automation, including case studies.

Computer Vision in AI:
- Overview and implementation of computer vision.

Reinforcement Learning Basics:
- Introduction to reinforcement learning principles and applications.

AI and Creativity:
- Exploring AI's role in fostering creativity in fields like art and music.

Mathematical Concepts in AI:
- Further exploration of mathematical concepts critical for AI algorithms.

Coding Concepts:
- Proficiency in using Python variables, loops, functions, conditional statements, and data structures.

AI Applications:
- Understanding practical applications of AI in healthcare, education, business, and social impact.

BENEFITS

Advanced AI Foundations: Comprehensive understanding of AI concepts and their practical applications.

Data Handling Proficiency: Ability to represent and manipulate data effectively using Python.

Problem-Solving Skills: Enhanced creativity and proficiency in solving complex problems with Python.

AI Applications Awareness: Exposure to diverse applications of AI across industries such as entertainment, healthcare & robotics.

Ethical Awareness: Understanding ethical considerations and biases associated with AI technologies.

Machine Learning Exploration: Introduction to machine learning models & algorithms, paving the way for deeper exploration.

Final Projects: Planning, designing, implementing, and showcasing final AI projects with guidance from instructors.

CONTACT US!