



Real-World Projects

Wholesome curriculum

Learn from Industry Leaders

Holistic Learning

Expert Instructors

Code to Excel!!!



Right Angle

AI+ Python
Programming
Beginner Level

Curriculum Overview

Introduction to Python:

- Gain a foundational understanding of the Python programming language, its syntax, and its applications in AI and machine learning.

Conditional Statements:

- Learn to use if-else statements and various operators in Python to control the flow of programs, achieving mastery in conditional logic.

Variable Handling:

- Develop proficiency in declaring, defining, and manipulating variables to manage data effectively in Python programs.

AI and Social Impact:

- Explore the societal implications of AI, discussing its impact and learning about AI projects aimed at social good.

Practical Projects:

- Apply Python concepts through hands-on projects, such as building a calculator and an age calculator, to solidify understanding and practical skills.

Loop Structures:

- Master the use of loop structures (for and while loops) to solve iterative problems efficiently, enhancing problem-solving abilities.

Functions in Python:

- Gain proficiency in defining and using functions and understanding parameters and arguments to modularize and organize code.

Data Structures:

- Understand and effectively use lists, tuples, sets, and dictionaries in Python for storing and manipulating data.

AI Ethics and Bias:

- Learn about the ethical considerations in AI development, including addressing biases in AI algorithms and their social impact.

Machine Learning Projects:

- Get introduced to machine learning concepts through practical projects like emotion detection, animal classification, object detection, and text classification, providing hands-on experience with ML models.

BENEFITS

- ◆ **Foundational Python Skills:** Ability to write and understand Python code effectively.
- ◆ **Problem-Solving Skills:** Enhanced problem-solving abilities through practical projects and algorithmic thinking.
- ◆ **Introduction to AI and ML:** Exposure to basic concepts and applications of AI and machine learning.
- ◆ **Project Development:** Capability to develop basic applications and projects using Python.
- ◆ **Understanding Data Structures:** Knowledge of fundamental data structures and their implementations in Python.
- ◆ **Preparation for Advanced Studies:** Readiness for further exploration in AI, ML, and data science fields.
- ◆ **Final Projects:** Planning, designing, implementing, and showcasing final AI projects with guidance from instructors.

CONTACT US!

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