Python Syllabus

Fundamentals of Programming

- Flowcharts
- Varibles and Data types
- · Conditional Statements
- Loops
- Patterns
- Methods
- Arrays
- 2D Arrays
- Strings

Object Oriented Programming

- · Basics of OOPS
- Advance concepts of OOPS
- · Exception Handling

Data Structure and Algorithms

- Time Complexity and Space Complexity
- Recursion
- Search and Sorting Algorithms with Arrays
- Linked List
- Stacks
- Queues
- Trees

Python Syllabus 1

- · Generic Trees
- Binary Trees
- Binary Search Trees

Advanced Data Structures

- Priority Queues
- Hashmaps
- Tries
- Graphs

Dynamic Programming

- Introduction to Dynamic Programming
- · Applications of DP

Advance Python

- Lamba Expressions
- · Generators and Iterators
- Closures
- Decorators

Python Libraries

- Numpy
- Pandas
- MatplotLib
- Open CV

Python Syllabus 2

- Pygame
- Tkinter
- Tensorflow

Backend Development with Python

- Introduction to Django
- Introduction to Flask

Python Syllabus 3