Complete DSA in Python

A comprehensive chase to excel in any interview for the Data Structures and Algorithms. This course has been specifically designed to provide resources that would assist you in cracking problem-solving interviews. The presented problems in the course would suffice to look for positive outcomes in the interviews. Complete DSA (Data Structures and Algorithms) in Python is a comprehensive course that covers all the fundamental concepts, techniques, and best practices of DSA using Python programming language. You will learn different sorting algorithms such as bubble sort, selection sort, insertion sort, quicksort, and mergesort and how to implement them using Python. Additionally, you will learn how to search for elements in a data structure using binary search and linear search. The Programme features include the Course material and Lifetime dashboard access for the learner. The Course covers all the essential topics of DSA using Python programming language. It is well-designed for beginners who want to learn DSA from scratch and for professionals who want to enhance their DSA skills using Python.

Instructors:

Priya Bhatia:

Expertise in data structure competitive programing and solving an analytical problems and implementing data structure algorithm in multiple programing language. I have done my M.Tech in Artificial Intelligence at IIT Hyderabad and have an experience of implementation in multiple projects.

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Curriculum:

•Introduction to Algorithms

•Analysis in Algorithms

•Array Data Structure

•Heap Data Structure

•Recursion

•Divide and Conquer

•Linked List Data Structure

•Stack and Queue

•Hashing Data Structure

•Tree Data Structure

•Binary Search Tree

•Graph Traversal Algorithms

•Application of greedy algorithm

•Dynamic Programming

•Research Area- P, NP, NP-Hard and NP-Complete Problems

Requirements:

• System with minimum i3 processor or better

• At least 4 GB of RAM

• Working internet connection

• Dedication to learn