

# Mastering DSA with Python

This Python course on Data Structures and Algorithms covers data structures such as linked lists, stacks and queues, binary search trees, heaps, searching, and hashing. This course covers a variety of sorting algorithms, as well as their implementation and analysis. The following topics are covered with Python implementation in this Data Structures in Python course. Analysis of Algorithms, Big O notation, Time Complexity, Singly Linked List, Doubly linked list, Trees, Heaps, Hashing and Sorting algorithms.

## Instructors:

### Hitesh Choudhary:

I like to make videos related to code and tech in my free time. I also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

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## Curriculum:

- Problem Solving
- Data Structure Introduction
- Recursion in depth
- Linked List in depth
- Circular Linked List in Depth
- Doubly Linked List in Depth
- Stack and Queue
- Binary Search Tree

- Hashing
- AVL Tree
- HEAP
- Sorting algorithms

**Requirements:**

- System with Internet Connection
- Interest to learn
- Dedication