



Category: Programming

Skill: Data Structures & Algorithms

Main Topics

- ' Introduction
- ' Data Structure Basics
- ' Abstract Data Types
- ' Time and Space Complexity
- ' Asymptotic Notations
- ' Arrays
- ' Strings
- ' Linked List
- ' Singly Linked List
- ' Doubly Linked List
- ' Circular Linked List
- ' Stack
- ' Queue
- ' Deque
- ' Priority Queue
- ' Recursion
- ' Searching Techniques
- ' Linear Search
- ' Binary Search
- ' Sorting Techniques
- ' Bubble Sort
- ' Selection Sort
- ' Insertion Sort
- ' Merge Sort
- ' Quick Sort
- ' Hashing
- ' Hash Tables
- ' Trees
- ' Binary Tree
- ' Binary Search Tree
- ' Heap
- ' Graphs
- ' Graph Traversal
- ' BFS
- ' DFS
- ' Greedy Algorithms
- ' Dynamic Programming

