

Roadmap For Practicing Data Structures And Algorithms

☉ Practice Link

- Arrays & Strings
 - Basic Array And Strings Questions
 - Kadane's Algorithm
 - Dutch National Flag Algorithm
 - Sliding Window
 - Two pointers
- Multidimensional arrays
 - Traversal Based Problems
 - Rotation Based Problems
- Recursion And Backtracking
 - Basic Recursion Questions
 - Divide And Conquer
- Sorting Algorithms
 - Insertion Sort
 - Selection Sort
- Binary Search Applications
 - Binary Search On Arrays
 - Binary Search On Matrix
- Linked Lists
 - Reversal Problems
 - Sorting Problems
 - Slow And Fast Pointers
 - Modify In Linked list
- Stacks & Queues
 - Implementation Based Problems
 - Application Based Problems
- Binary Trees
 - Tree Traversals
 - Construction Of Trees

- Tree Views
- Standard Problems
- BST
 - Construction Of BST
 - Conversion Based Problems
 - Modification in BST
 - Standard Problems
- Priority Queues And Heaps
 - Implementation Based problems
 - Conversion based problems
 - K Based Problems
- Graphs
 - Graph Traversals - BFS And DFS
 - MST
 - Shortest Path Algorithms
 - Topological Sort
 - Graphs in Matrix
- Dynamic Programming
 - DP with Arrays
 - DP With Strings
 - DP With Maths
 - DP With Trees
 - Breaking And Partition Based Problems
 - Counting Based Problems
- Hard Recursion And Backtracking Questions
- Other Topics
 - Hashmaps
 - Tries
 - Bit Manipulation
 - Greedy
 - Circular Queues
 - Deques - Hot Topic
 - Doubly And Circular LL
 - String Algorithms like KMP and Z Algorithm