Roadmap For Practicing Data Structures And Algorithms

1. Practice Link
2. https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms
3. Arrays & Strings
4. Basic Array And Strings Questions
5. Kadane's Algorithm
6. Dutch National Flag Algorithm
7. Sliding Window
8. Two pointers
9. Multidimensional arrays
10. Traversal Based Problems
11. Rotation Based Problems
12. Recursion And Backtracking
13. Basic Recursion Questions
14. Divide And Conquer
15. Sorting Algoritms
16. Insertion Sort
17. Selection Sort
18. Binary Search Applications
19. Binary Search On Arrays
20. Binary Search On Matrix
21. Linked Lists
22. Reversal Problems
23. Sorting Problems
24. Slow And Fast Pointers
25. Modify In Linked list
26. Stacks & Queues
27. Implementation Based Problems
28. Application Based Problems
29. Binary Trees
30. Tree Traversals
31. Construction Of Trees
32. Tree Views
33. Standard Problems
34. BST
35. Construction Of BST
36. Conversion Based Problems
37. Modification in BST
38. Standard Problems
39. Priority Queues And Heaps
40. Implementation Based problems
41. Conversion based problems
42. K Based Problems
43. Graphs
44. Graph Traversals - BFS And DFS
45. MST
46. Shortest Path Algorithms
47. Topological Sort
48. Graphs in Matrix
49. Dynamic Programming
50. DP with Arrays
51. DP With Strings
52. DP With Maths
53. DP With Trees
54. Breaking And Partition Based Problems
55. Counting Based Problems
56. Hard Recursion And Backtracking Questions
57. Other Topics
58. Hashmaps
59. Tries
60. Bit Manipulation
61. Greedy
62. Circular Queues
63. Deques - Hot Topic
64. Doubly And Circular LL
65. String Algorithms like KMP and Z Algorithm
66. 0 1 Knapsack
67. Unbounded Knapsack
68. fibonacci
69. Longest Common Subsequence (LCS)
70. Longest Increasing Subsequence (LIS)
71. Kadane's Alogrithm Dynamic Programming
72. Matrix Chain Multipication
73. Dynamic Programming on Trees
74. Dynamic Programming on Grid

Others