

YouTube Resources DSA Important topic-wise

1. DSA Full Course

<https://lnkd.in/drfYia2j>

2. Arrays

<https://lnkd.in/dG69DAEZ>

3. String

<https://lnkd.in/deWr9svh>

4. Dynamic Programming

<https://lnkd.in/dGpVEHg8>

5. Recursion

<https://lnkd.in/dv6XUNyP>

6. Heap

<https://lnkd.in/dZBJdr2W>

7. Sliding Window

<https://lnkd.in/dxXNKfgQ>

8. Binary Search

<https://lnkd.in/dCQRSiXq>

9. Stack

<https://lnkd.in/dYqeH7ft>

10. Hashing

<https://lnkd.in/dM77crfV>

11. Binary Trees

<https://lnkd.in/dFSXYFt>

12. Graph

<https://lnkd.in/dfmi74sU>

13. Trie

https://lnkd.in/d3e-wm_J

14. Segment Tree

<https://lnkd.in/dytGUaGB>

15. Competitive Programming

<https://lnkd.in/d3z6jKE4>

YouTube Channels for Learning DSA [BEST]

1. Apna College
- Description: Well-structured DSA course for beginners.

2. Aditya Verma
- Description: Specializes in Dynamic Programming.

3. Abdul Bari
- Description: Focuses on Algorithms.

4. Nick White
- Description: Leetcode discussion and problem-solving.

5. Tech Dose
- Description: One of the favorite channels for DSA.

6. Keerthi Purswani
- Description: Offers Mock Interviews.

7. Take You Forward
- Description: Features Trees and Graph playlist.

8. Code with Harry
- Description: Concentrates on Development.

9. Code Library
- Description: A valuable resource for DSA.

10. Pepcoding
- Description: Comprehensive content for DSA.

11. Lead Code by Faraz
- Description: A source for competitive coding enthusiasts.

[4:47 pm, 30/10/2023] +91 70646 91925: Before approaching any questions remember this

If given a linked list then
- Two pointers

If the input array is sorted then
- Binary search
- Two pointers

If asked for all permutations/subsets then
- Backtracking

If given a tree or a graph then
- DFS
- BFS

If recursion is banned then

- Stack

If must solve in-place then

- Swap corresponding values
- Store one or more different values in the same pointer

If asked for maximum/minimum subarray/subset/options then

- Dynamic programming

If asked for top/least K items then

- Heap

If asked for common strings then

- Map
- Trie

General Tips

- Map/Set for $O(1)$ time & $O(n)$ space
- Sort input for $O(n \log n)$ time and $O(1)$ space

Source: Leetcode