

Data Structure and Algorithms

Topics to be covered (Theory + Questions)

- Array and pointer
- Linked List
- Stack
- infix prefix and postfix
- Expression tree
- Queue
- DEQUE
- Binary Tree
- AVL
- Red Black Tree
- Splay Tree
- B Tree and B+ Tree
- Graph Theory
- BFS and DFS
- Spanning Tree
- Kruskal Algorithm
- Detect cycles
- Topological sorting
- Bridges in a graph
- Dijkstra Algorithm
- Bellman ford Algorithm
- Floyd Warshall Algorithm
- Radix, counting, shell, Heap, max, merge, Quick, Selection, insertion, bubble Sorting
- Hashing Techniques
- Huffman coding Examples

Regarding Workshop

.....Eligibility.....

- You should know some basic topics of any programming language.

Like:- functions, class, objects, array and pointer.

Note:- (If you don't know then first do our C++(Basics to Advance Workshop)

(https://docs.google.com/document/d/1_aNFcLx2McfdapUwE0W2BdAfRRXlj4YuCqE.JlcwihLs/edit?usp=sharing))

- Reviews of students who attended:-

<https://fb.watch/v/2YarRYa0d/>

https://fb.watch/v/dL_SXe4GK/

Must Read

The major things we will keep in mind are:

- Focus on quality, not quantity. Rather than doing many questions in a day, we will focus on doing a few but with absolute clarity.
- Similarly giving just 3–4 hours of focused attention is better than 8–10 hours of diverted attention. (We will go through some exercise and powerful yoga practice to improve our efficiency and confidence during our important time).
- Keep the negativity aside. There will be days you might do just a single question or maybe some of your friends did a lot better, just don't let that slow you down as what finally matters is you being better every day.
- One of the biggest pieces of advice is to have at least one good circle of determined people and here we will provide too. (Encourage each other to be consistent and do more. Have exciting discussions about algorithms)
- Many such strategies you will get to know after joining our workshops.
- Don't be demotivated at any time initially as what you are aiming for is the result after a few months of hard work and believe me, it will all be worth it.

For More information contact us

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