

3 Month Plan for DSA skills enhancement.

June

Week 1: Team Collaboration Activity

Week 2: Basic & fast I/O Techniques , Printing Practices, Resource Sharing, Arrays.

Week 3: More Arrays, Sets & Strings || Recursion, Dynamic Programming

Week 4: Linked Lists, Stacks & Queues.

July

Week 1: Maps (Dictionaries/Hash Maps) & Multi-dimensional Arrays || Searching Sorting Algo

Week 2: Trees, Graphs || Traversals- BFS, DFS

Week 3: Heaps, BSTs & Other Algo- A star.

Week 4: Company Wise Leetcode

August

We'll work on Company Wise Leetcode in 4 weeks of August as well.

Duties of Mentors: To post daily questions & resources for the topics. (on Github & Slack)

Duties of Mentees/ Participants: To post their soln in a shared Github Repo

Demo link: (https://github.com/AasthaGithub/DSA_Team12_Uplift_Project)

(for this: collect github A/C of participants & invite to edit.)

Discussions on the daily problems at Slack Channel.

(Easy to Advanced Problem Solving- Interview Bit, Hackerrank, GFG, Leetcode)

Note: Data Structures & Algos will be parallely done with (optional) Live Contests on Codechef/Leetcode/Codeforces.