

Summer Of Science:DSA

Mentee:Amol kare

Mentor:Vetcha Gnana Mahesh

plan of action

Week 1:learn the basics & important sorting techniques.

Week 2:Arrays,Binary Search & Strings[Basic and medium]

Week 3:Learn LinkedList & Recursion[patternwise], Bit Manipulation[Concepts & Problems]

Week 4: Stack and Queues & Sliding Windows & Two Pointer Combined Problems

23rd June:Mid-Term Submission

Week 5: Heaps & Greedy Algorithms

Week 6: Binary Search & Binary Trees[concepts,Problems]

Week 7: Binary Search & Binary Trees[concepts,Problems],Graphs

Week 8:Graphs & Tries

Week 9:Dynamic Programming

27th july:End-Term Submission

References:

1) takeuforward coding tutorials

2) Introduction to Algorithms[Thomas H.Cormen]

3) Nptel Video Lectures:DSA