DSA Study Plan for Beginners

Step-by-Step Data Structures and Algorithms (DSA) Plan

This study plan is designed for average learners with limited time per day. It focuses on core concepts, practical coding, and efficient problem-solving techniques. The plan assumes 2-3 hours of daily study time and spans 7 weeks.

Week	Focus	Topics or Resources	
1	Libbansis s Fouin Poyhidonosa, Arn	ays, Dictionaries (W3Sch	ools, freeCodeCamp)
2	Ba Aircalya ţa S91ngs tµ 8 tac	ks, Queues (GeeksforGe	eks, CodeWithHarry)
3	Scortien (A.) Scorit trothisng, F	ecursion (GeeksforGeek	s, YouTube Playlists)
4	Advanced Data Setes of Bires	ry Trees, BST), Graphs	BFS, DFS)
5	Solv@erobblenobSehnisngn Ar	rays, Strings, Recursion	(LeetCode, HackerRank)
6	BibroanaiccP, Kogapsarokod.	ongest Subsequence (fre	eCodeCamp, YouTube)
7 Mo	ck InterviewPsaamtide€proble	rity, analyze time and sp	ace complexity

Daily Routine

- 1. Warm-Up (15 minutes): Revise key concepts or practice a simple problem.
- 2. Learning (1 hour): Watch tutorials or read about the day's topic.
- 3. Coding Practice (45 minutes): Solve problems related to the topic.
- 4. Review (15 minutes): Analyze solutions and note improvements.

Recommended Resources

- Python Basics: W3Schools, freeCodeCamp

- DSA Tutorials: GeeksforGeeks, CodeWithHarry

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- Problem Solving: LeetCode, HackerRank

- Visualization: VisuAlgo.net

- Big-O Notation: freeCodeCamp Guides