

Topics	Resources
Data structures	<ul style="list-style-type: none"> William fiset data structure playlist (https://www.youtube.com/playlist?list=PLDV1Zeh2NRsB6SWUrDFW2RmDotAfPbeHu) Video 1 to 37 should be good enough. For Union find data structures, Abdul Bari's YouTube videos are really helpful.
Educative courses (Please refer to the second page)	<ol style="list-style-type: none"> 1. Data Structures in Python: An Interview Refresher. 2. Recursion for Coding Interviews in Python. 3. A Visual Introduction to Algorithms. 4. Data Structures and Algorithms in Python 5. Grokking the Coding Interview: Patterns for Coding Questions
Interview Cake	A good set of questions here as well. They provide you with an option to do it step by step with a few hints. That's really cool and helpful. I took the 3-week access to the course by paying around \$49. You can always opt for the free option, I think they still provide you with the set of questions, you just don't have access to the interactive hints feature.
Gold	https://leetcode.com/discuss/general-discussion/494279/comprehensive-data-structure-and-algorithm-study-guide In case you are facing difficulty with a particular concept, please go through this post on leetcode. They have listed all the program paradigm and related resources in this article. I found it really helpful, particularly for Greedy, Divide and conquer, Backtracking, Branch and Bound and DP.

- Pay special attention to time and space complexities. Abdul bari's videos, as mentioned in the leetcode article and "Introduction to Complexity Measures" section in Educative's "Data Structures in Python: An Interview Refresher" course should be good enough.
- Please refer to the diagram on the second page for a detailed study guide.
- As you get comfortable with the concepts, start with leetcode questions. It's always best to sort the questions based on the company in case you are preparing for a specific company.
- This list contains some of the most commonly asked interview questions.
<https://leetcode.com/list/x3pfqk07>
- Particularly helpful for trees, Graphs, DFS, BFS basics. (Look for Vaidehi Joshi's articles on trees and graph Data Structures and Algorithms. In case you cross the limit for Medium monthly free articles, use incognito)
 - <https://medium.com/basecs/tagged/data-structures>
 - <https://medium.com/basecs/tagged/algorithms>

I used paid educative and Interview cake subscriptions as I had less than 20 days to prepare for multiple online and onsite technical rounds. You can skip interview cake if you want but I would highly recommend all the highlighted Educative courses. I have specially made this guide for people who have a computer science background, don't have much time and need to brush up on basic and advanced DSA concepts.

