

## YOUR ONE-STOP PLACEMENT GUIDE

- By Nishant Chahar

- C++ Resources:
  - <https://www.learncpp.com/>
  - <https://youtube.com/playlist?list=PLLYz8uHU480j37APNXBdPz7YzAi4XIQUE>
- Python:
  - <https://youtu.be/8DvywoWv6fl>
  - <https://realpython.com/>
  - <https://docs.python.org/3/>
- Java:
  - <https://www.udemy.com/course/object-oriented-programming-oops-for-java-certification/?start=0>
  - <https://www.youtube.com/watch?v=aQatrXw0njs>
  - [https://www.youtube.com/watch?v=ntLJmHOJ0ME&list=PLu0W\\_9lII9a\\_gS67Uits0UnJyrYiXhDS6q](https://www.youtube.com/watch?v=ntLJmHOJ0ME&list=PLu0W_9lII9a_gS67Uits0UnJyrYiXhDS6q)
- Javascript
  - <https://www.youtube.com/watch?v=pN6jk0uUrD8&list=PLlasXeu85E9cQ32gLCvAvr9vNaUccPVNP>
  - [https://www.youtube.com/watch?v=2md4HQNRqJA&list=PLRAV69dS1uWSxUIk5o3vQY2-\\_VKsOpXLD](https://www.youtube.com/watch?v=2md4HQNRqJA&list=PLRAV69dS1uWSxUIk5o3vQY2-_VKsOpXLD)

## DSA

- **Abdul bari Sir (Algos)**  
[https://www.youtube.com/watch?v=0IAPZzGSbME&list=PLDN4rrl48XKpZkf03iYFI-O29szjTrs\\_O&ab\\_channel=AbdulBari](https://www.youtube.com/watch?v=0IAPZzGSbME&list=PLDN4rrl48XKpZkf03iYFI-O29szjTrs_O&ab_channel=AbdulBari)
- **Dynamic Programming**  
**Watch the complete tutorial for Dp on youtube by Aditya Verma**
  - [https://www.youtube.com/watch?v=nqowUJzG-iM&list=PL\\_z\\_8CaSLPWekqhdCPmFohncHwz8TY2Go&ab\\_channel=AdityaVerma](https://www.youtube.com/watch?v=nqowUJzG-iM&list=PL_z_8CaSLPWekqhdCPmFohncHwz8TY2Go&ab_channel=AdityaVerma)
- **GFG TOP 20 DP questions**
  - <https://www.geeksforgeeks.org/top-20-dynamic-programming-interview-questions/>
- **Practice Qns on Dp section-wise on leetcode**
  - <https://leetcode.com/discuss/general-discussion/662866/DP-for-Beginners-Problems-or-Patterns-or-Sample-Solutions>
  - <https://leetcode.com/discuss/general-discussion/1050391/must-do-dynamic-programming-problems-category-wise>

- <https://leetcode.com/discuss/general-discussion/458695/Dynamic-Programming-Patterns>
- **InterviewBit**
  - <https://www.interviewbit.com/courses/programming/topics/dynamic-programming/>
- **Backtracking**
  - [https://www.youtube.com/watch?v=DKCbsiDBN6c&ab\\_channel=AbdulBari](https://www.youtube.com/watch?v=DKCbsiDBN6c&ab_channel=AbdulBari)
  - [https://www.youtube.com/watch?v=xFv\\_Hl4B83A&ab\\_channel=AbdulBari](https://www.youtube.com/watch?v=xFv_Hl4B83A&ab_channel=AbdulBari)
  - <https://www.interviewbit.com/courses/programming/topics/backtracking/>
  - <https://www.geeksforgeeks.org/top-20-backtracking-algorithm-interview-questions/>
- **More practice questions on Backtracking:**
  - <https://leetcode.com/problems/the-k-th-lexicographical-string-of-all-happy-strings-of-length-n/>
  - <https://leetcode.com/problems/permutations/>
  - <https://leetcode.com/problems/letter-case-permutation/>
  - <https://leetcode.com/problems/generate-parentheses/>
  - <https://leetcode.com/problems/combination-sum-iii/>
  - <https://leetcode.com/problems/combination-sum/>
  - <https://leetcode.com/problems/palindrome-partitioning/>
  - <https://leetcode.com/problems/combination-sum-ii/>
  - <https://leetcode.com/problems/permutations-ii/>
  - <https://leetcode.com/problems/letter-combinations-of-a-phone-number/>
  - <https://leetcode.com/problems/restore-ip-addresses/>
  - <https://leetcode.com/problems/n-queens-ii/>
  - <https://leetcode.com/problems/n-queens/>
  - <https://leetcode.com/problems/sudoku-solver/>
  - <https://leetcode.com/problems/regular-expression-matching/>
  - <https://leetcode.com/problems/word-ladder-ii/>
- **Greedy**
  - Watch recording if you are a beginner
  - [https://www.youtube.com/watch?v=HzeK7q8cD0Y&list=PLqM7aIHxFySESati68JKWHRVhoJ1BxtLW&ab\\_channel=GeeksforGeeks](https://www.youtube.com/watch?v=HzeK7q8cD0Y&list=PLqM7aIHxFySESati68JKWHRVhoJ1BxtLW&ab_channel=GeeksforGeeks)
  - **Solve All problems**
    - <https://www.interviewbit.com/courses/programming/topics/greedy-algorithm/>
    - 1. Activity Selection
    - 2. N meetings in one room
    - 3. Coin Piles
    - 4. Maximize Toys
    - 5. Page Faults in LRU
    - 6. Largest number possible
    - 7. Minimize the heights
    - 8. Minimize the sum of product
    - 9. Huffman Decoding
    - 10. Minimum Spanning Tree
    - 11. Shop in Candy Store

12. Geek collects the balls
13. <https://leetcode.com/problems/last-stone-weight/>
14. <https://leetcode.com/problems/gas-station/>

**For those DSA, complete all questions from Interviewbit and must do coding questions from GFG**

- <https://www.geeksforgeeks.org/must-do-coding-questions-for-companies-like-amazon-microsoft-adobe/>
- <https://www.interviewbit.com/courses/programming/>

**For Online Test a little bit of CP IS REQUIRED So, PARTICIPATE IN ALL LEETCODE CONTEST.**

**OTHER RESOURCES:--**

For recursion:

- <https://www.techiedelight.com/recursion-practice-problems-with-solutions/>

Solve all problems

- <https://www.youtube.com/channel/UCmJz2DV1a3yfgrR7GqRtUUA>
- <https://www.youtube.com/channel/UCYvQTh9aUgPZmVH0wNHFa1A>
- <https://www.youtube.com/channel/UCZCFT11CWBi3MHNIGf019nw>
- <https://www.youtube.com/channel/UCWSYAntBbdd2SLYUqPlxo0w>

You can find solutions to leetcode and gfg problems on

- Take U Forward: <https://www.youtube.com/channel/UCJskGeByzRRSvmOyZOz61ig>
- Pepcoding: [https://www.youtube.com/channel/UC7rNzgC2fEBVpb-q\\_acpsmw](https://www.youtube.com/channel/UC7rNzgC2fEBVpb-q_acpsmw)
- Lead Coding: <https://www.youtube.com/channel/UC81Q2wnuk5KqOFVgAbq4nUw>

DP CP <https://www.youtube.com/watch?v=FAQxdm0bTaw>  
<https://atcoder.jp/contests/dp>

Binary Search: <https://www.youtube.com/watch?v=GU7DpgHINWQ>