**ROUND-1(Coding Interview)**

* <https://www.google.com/amp/s/www.geeksforgeeks.org/merge-two-sorted-linked-lists/amp/>
* <https://www.geeksforgeeks.org/search-element-sorted-matrix/>
* <https://www.geeksforgeeks.org/clone-linked-list-next-arbit-pointer-set-2/>
* <https://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/>
* https://leetcode.com/problems/two-sum/
* <https://leetcode.com/problems/critical-connections-in-a-network/>

**ROUND-2(Technical Interview)**

* <https://www.geeksforgeeks.org/check-number-can-expressed-sum-consecutive-numbers/>

The solution given on the above link was not expected, but the interviewer was satisfied

* <https://www.geeksforgeeks.org/print-k-sum-paths-binary-tree/>
* Painter’s Partition Problem
* <https://stackoverflow.com/questions/28871860/algorithm-to-find-the-maximum-non-adjacent-sum-in-n-ary-tree>
* <https://www.geeksforgeeks.org/minimum-steps-reach-target-knight/>

A lot of reasoning and variations(like, why BFS, can we do with DFS, if no then why?, its time and space complexity, can we do by using only O(1) memory to keep track of distance, etc ).

* <https://www.geeksforgeeks.org/find-rotation-count-rotated-sorted-array/>

**Others (Like OS, DBMS, OOPs, general etc)**

* So, first, he asked me to write down all the data structures which I know. And then, to think of real-time applications of each of them.
* What would you do if you are stuck in a huge Technical problem? Support your answer with a realtime situation you have faced.
* Describe an incident where you were in a difficult situation(professional, not personal) first but then, finally came out of it successfully?

**TIPS & ADVICE**

* Be thorough with  Time and space complexity calculation, as it is the first question you might get after proposing an algorithm to the interviewer.
* Don’t be silent in the interview, keep sharing all your thoughts and budding ideas, it would not only engage the interviewer but also help you to get fresh ideas.
* Be polite and carefully listen to the interviewer(you might be lucky to grab a few clues).