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MCA (2019-2022)
TruMinds Interview Experience

Round 1 :- Online Assessment

The OA was conducted on **HackerEarth**.

The time limit was 1 hour 15 minutes. The test constituted of 15 MCQ questions from Logical/Verbal Reasoning, Cpp,C#,Java,OS,Networking and OOPS fundamentals.

1 DSA medium level question

The string is given as an input to the function that counts the number of awesome strings that can be made from that input string. The string is called awesome if by concatenating one of the prefixes and subset of the input string of the same size , and one of which is reversed we get a palindrome.

For Example: input string - "abab"

Prefix "ab" concatenated with the reverse of the subset "ab" forms "abba" which is a palindrome and hence an awesome word.

Awesome string would be considered different even if the same string is formed but either prefix or subset are from different indices of the input string.

Round 2 :- Technical Round

Further rounds were virtual interviews on Microsoft Teams

1. Tell me about yourself.
2. The interviewer started with CS Fundamentals:-What is Class And object,give real life examples of the same,What are pointers and function pointers, How are addresses represented, What is Hexadecimal number ,Convert a Hexadecimal number to Decimal number and vice versa.
3. Then He started with networking questions:- What is IP Address and DNS, How to find your public and private IP addresses,What is router,how to find router address.
4. Then he asked me to share the screen and open Notepad and gave me the questions:-
   - Reverse a Number
   - https://www.geeksforgeeks.org/count-ways-reach-nth-stair/

5. In Depth discussion on the Projects,What unique challenges you faced while working on projects, how do you decide what all libraries and technologies are to be used in a particular project
6. He gave me a puzzle to solve
   https://www.geeksforgeeks.org/puzzle-bag-of-coins/
7. He later asked me where I currently live and what location from Gurgaon, Hyderabad and Bangalore would be most comfortable to me.
8. Any Questions for me.

Round 2 :- Technical and HR Round

There were 2 people in the meeting and one of them started it with a formal introduction of his own and then asked mine and then asked me few technical questions

1. What is a Linked List, What is the difference between Singly Linked List and Double Linked List
2. If we are provided with a reference to a head of the Linked List and Double Linked List and we have to delete a node whose reference is given as well,in which case from the two this task will be more expensive and why?
3. You are provided with a million of names of people and their addresses and you need to store them in some sort of Data Structure. What kind of DS will you use and why ? to this I answered HashMap
4. He continued by asking what a HashMap is. How will you implement a HashMap from scratch without use of libraries?
5. You have to print "Hello" with an empty main function. How will you do that?
6. Then another person continued by asking questions from networking,What is the difference between TCP and UDP? What do Microsoft Teams use from the two ?
7. Explain your recent Project and how did you come up with the idea for the same?
8. What do you know about Truminds and why do you want to join the company?
9. Then He asked About my graduation, Why did you choose MCA over MSc(Computer Science),my class 12th Marks and a little bit about the place I live, My parents and siblings.

10. He asked if I had any questions for him ?(Always ask the questions from the interviewer ,Never say no to this question.)

Tip

Each Interview is different and the flow of questions that will be asked depends on your answers.
Prepare well for Core Cs concepts really well like OS,OOPS,Networking and have a good grasp of any programming language.
Don't be scared if you lag behind from others.It might just not be your day. It's true hard work pays off but sometimes luck is not in your court. So don't be hard on yourself and just continue hustling as you would always do.
ALL THE BEST!!!!!!!