Interview Experience

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Company - **Truminds** [13th September - 15th September]
Total Rounds - 3 [OA + Technical Round + Leadership Round]

Round 1 [Online Assessment]
Time Duration - 1 hour 15 minutes
Number of Questions - 17 [16 MCQs, 1 Programming Question]
Platform - HackerEarth

MCQs were based on Computer Science Fundamentals, the majority of the questions were asked from Graphs(Prims, Kruskal) and Output Questions of C#. [50 Marks]

Programming Question - https://codeforces.com/blog/entry/91313 [50 Marks]

Round 2 [Technical Round]
Time Duration - 1 Hour

- Brief Introduction about myself.
- In-Depth Discussion of my projects [Majority of the time was spent on this].
- Application of my projects in real life.
- How would you use the OOPs concept to define your college? (buildings, teaching planning, etc)
- Questions I had for the company.

My Technical Round was not as intensive as the rest because of some mutual internet issues but he was happy with the approach I took for describing the projects and he was more than happy to answer the questions I had for the company.

Round 3 [Leadership Round]
Time Duration - 30 Minutes

The leadership round was actually another technical round in disguise. It was taken by the CEO and the Vice President of Technology.

Questions asked by Vice President of Technology

- Brief Introduction about myself.

- How would you count the number of occurrences for each word in a pdf? (Hashmaps) He then asked me to elaborate (What is hashing, how would I deal with multiple words being mapped to the same key, etc).
- Hashmap question led to Linked List questions (Difference between Singly linked list and doubly linked list, is deletion operation faster in SLL or DLL and why).
- What are AVL trees and the Time Complexity of Insertion in AVL Trees?
- What is a friend function in C++?
- How to print Hello World in C++ without writing anything in the main function? (Use Constructors and Global Objects)
- Puzzle (Two persons with speed V1 and V2 where V1 > V2, run in the same direction around a field with radius r. If they meet for a total time period of T, how many times did they meet) [Hint - Use Relative Speed and Simple Unitary Method to solve this function].

Questions asked by CEO

- How many members are in the family and what do they do?
- What is TCP/IP Model?
- What protocol does Microsoft Teams use? (Both UDP and TCP)
- What is IP Address? What is MAC Address? Can we figure out the MAC address from the IP address?
- What is the OSI Layer Model and which layer deals with MAC and IP?
- What is Inter-Process Communication and how is it done? (shared memory, message passing, pipes, etc)
- What do I know about Truminds?

After that, I asked them some questions about the leadership of the company, the reason for successful growth, and the work culture at Truminds.

Points to Remember -

- Always be honest in your approach. (Remember, they will give you the complete time that is assigned to you, so try to keep the percentage of correct questions answered high but also do not give up on questions you don't know that early as it can be taken as a sign of quitting and giving up easily].
- If the interviewer is too friendly, just smile but don't become too informal yourself.
- Don't worry so much, placements are 90% luck and if it's meant to be, it will.

All the Best and may you be placed in the company you desire.