

INTERVIEW EXPERIENCE - TRUMINDS

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Course : MSc Computer Science (Batch 2022-24)

Round 1 : Online Assessment

Platform : HackerEarth([Demo Test](#)) – remote test(not conducted in the department)

This online assessment consists of 16 MCQs + 1 coding question

MCQs consists of General Aptitude, CS Fundamentals, finding the output of code segment(C,C++,Java,C#) - difficulty moderate

1 coding question was based on string manipulation(compute the lexicographically smallest string)

Review : Work on CS fundamentals and C,C++,Java and C# basic coding concepts. For DSA, mainly focus on Arrays, Linked Lists and Strings

Verdict : 28 students were shortlisted after this round

Round 2 : Technical Interview + HR round

Conducted in the department itself

Interviewer started with my brief introduction and later continued with a short description about my project. I had a WebDev project in React, the interviewer asked some of the technical terms and concepts which I used in my project.

Later the interviewer asked questions related to Operating Systems, Computer Networks, Puzzle and basic Data Structures and related questions.

Some of the questions were -

- Map data structure. Ordered and unordered map
- Memory leak in C/C++. Discussion on calloc and malloc
- A scenario based question, where interviewer asked me to write a pseudocode to read my resume(stored in .txt file) and print only the unique words present in the resume(I used the map data structure to store the words and print it if it is not present in the map)
- A puzzle - [Mislabelled Jar](#)
- Some general questions on OSI model layers(mainly on Transport, Network and DLL layer)
- **Coding Question** - Given two integer arrays with arr1 consists of 'N' numbers whereas arr2 consists of 'N+1' numbers. Element values are the same in both

the arrays, with 1 element extra in the second array. Find that extra element from the arr2.

Approach :

1st approach - use map to store the values of the arr2 and later remove element count while traversing the arr1 (using extra space here)

Best approach - add all the element values of arr1 in store in sum1 and similarly for arr2 in sum2 and finally return the sum2-sum1.

- Basic OOPs questions, polymorphism and inheritance.

Review : Be thorough with the concepts and be confident. Resume must have one project in WebDev, because the interviewer didn't ask me anything from my Machine Learning project.

Some students have one more tech interview round.

Verdict : Selected with 14 other students for Internship + FTE in Truminds.

All the Best 👍