

## **INTERVIEW EXPERIENCE : TRUMINDS**

ASTHA PATTANAIK(MSc)

### **ROUND-1 :**

Online Assessment round.

18 MCQs based on OS, DBMS, Data Structures, aptitude(Easy level)

1 Coding Question : Find the number of subarrays with sum K

### **ROUND-2:**

(Technical Interview-1)

Started with Introduction. Then asked which language I am most comfortable in (I said C++)

1. Explain Polymorphism
2. What is Virtual Function (try to explain with example)
3. VTable and Vptr
4. Difference between `const int *ptr`, `int const *ptr` and `int* const ptr`
5. Question on Bit Manipulation
6. Write a Program to Reverse a number
7. Write a Program to rotate a linked list by 3 elements
8. What data structure is used to implement a hashmap
9. Difference between Maps, multi map and unordered map
10. Difference between reference and pointer

### **ROUND-3**

(Leadership Round)

I was interviewed by the VP of Engineering

1. Asked about Family and School
2. What is the processor of my laptop and what is its frequency
3. Which laptop am I using and what all did I consider while buying the laptop
4. How much is the RAM of my laptop
5. If I want to load a heavy file (any game like GTA) then how our CPU does that with just 8GB RAM?
6. Asked What is swap space and how much space in your disk is swap space (he expected a mathematical number)
7. What is a pure virtual function? What is its syntax? explain with example

8. How is memory allocated dynamically? Explain what happens internally in detail.
9. Dynamic Memory allocation for 2D array
10. What is Artificial Intelligence and what is its need?
11. Why is TCP connection oriented and UDP Connectionless?
12. What does Microsoft Teams use? TCP/UDP?
13. What do you know about IOT?
14. Which OS does Alexa use?

Then he asked me if I had any questions for him. I asked him regarding his role and how does a typical day for an intern look like.

This round mainly judges the clarity of your concepts and how confident you are .

The luck factor plays a very important role in placements. Someone might get an interviewer asking bubble sort and you may be asked DP with bit masking. Keep working hard, learn from every interview in which you get rejected and you will surely achieve what you deserve.