

TRUMINDS, Gurugram

Name: Sachin Pandey

MCA (2021-24)

Round: 1-Online Assessment (90mins)

Total marks: 100

16 MCQ based on OS, DS, Stats, Aptitude, Output finding from java, c, c# (medium to hard level)

1 Coding Question:

Platform HackerEarth (Easy level)

Verdict: 28 were selected

Round: 2-Technical Interview + HR round (approx. 70-75min)

(Taken by the CEO itself)

- Started with my introduction, resume and projects. He asked me about my marks in UG/PG and asked me to justify them, you should be very careful while answering such question
- He asked me to name all the subjects from 1st SEM to 5th in one go. Then he asked me to rank my expertise in each one
- Then he started asking me question from Computer Networks.
- What is ARP, in which layer do we use it
- Asked me IP vs MAC if they both are unique why do we need both of them.
- What is the difference between ipv4 and ipv6, asked me to write an example for each one and asked me to explain what happens in case of multicast, unicast and broadcast. He gave me a question on subnetting too
- Then he asked me to differentiate TCP and UDP, why TCP is reliable, which one do we use in MS teams and if UDP is not reliable then why do we use it.
- He asked me about DHCP, 3 way handshake, then asked me about sockets and system calls for sockets
- Then he asked me which OS do I use in my laptop my answer was windows and asked me if I know Linux, I said yes I know a few commands
- Then he asked me about ls -l, what all sort of information it shows, what does first 10 bits of the output represents, asked me about the first bit when it is d and when it is given file permissions asked me to change them.
- Asked me about netstat, traceroute, ping
- He asked me about paging and thrashing
- Then he asked me to name some File systems and asked me why do we need them
- We had a long discussion over various file systems majorly on NTFS
- Then he asked me about mount and unmount, since I have expertise in advanced operating systems I explained him everything in depth he was really impressed
- Then he asked me to rate my knowledge in programming language I know

- He showed me his wrist watch and asked me to write a code to find the angle between the hour hand and the minute hand and asked me to write the code in the language I was least comfortable with, well I knew it is from clocks of aptitude, but I did not know the formula so I had to formulate it by myself it took me time. Looking into my approach he said that's fine and moved to next question
- Then he asked me about all the sorting algorithm I know, asked me given a nearly sorted array which sorting algorithm will be best, why can't we use bubble sort can we improvise it we had a good discussion over each sorting algorithm
- Then he started asking about my family, hometown, since I belong to Uttarakhand he asked me about the problems faced during flood and landslides. what according to you should be done
- Asked me about my strength and weakness

Some students were also selected for round 3.

Verdict: Selected for Intern + FTE along with 14 others