

## **Vidhi Arora (MCS) – InfoEdge**

### **Round 1: Online Assessment on DoSelect Platform**

Section 1: DSA Programming Question (25 mins)

Section 2: DSA Programming Question (45 mins)

Section 3-6: Each section contained 6 MCQs based on Linux, DSA, DBMS, Networks/Cyber Security respectively (6 minutes for each section)

### **Round 2: Technical Interview - I (1 hour)**

The interview started with basic introduction. He asked me to go through my resume and tell everything about it.

Then he asked me some questions regarding programming like:

- Arrays vs Linked Lists
- Space/time complexity of various algorithms
- How divide and conquer works
- Explain the implementation of Merge Sort and Quick Sort

After this I was asked to write the code for printing sum of n terms of Fibonacci series recursively.

Next question was:

You are given an array of size N where each element of array is a song. You have to randomly play a song such that no song is repeated and all songs are played. What if you are not allowed extra space? What if array is of infinite size? How are random numbers going to be generated on backend? We had a long discussion on all these variations. I gave him different approaches and he seemed satisfied.

He then asked me to share my screen and show my project.

He asked me implementation of various parts of my projects, alternatives available and then he suggested me changes on what can be done to make it better. He also asked me theoretical questions about working of Node.js as my project was based on it.

Then I was asked to write SQL queries and explain the order of execution. He gave me some queries and asked for output.

At last, he asked me if I had any questions, we had some discussion on my project's technology and he gave me some advice.

### **Round 3: Technical Round - II (1 hour 10 minutes)**

The round began with the basic introduction and I was asked to share my screen and show my best project. He asked me some questions related to the project, tech stack reasons, approach & challenges.

Then he asked me some theory questions on basic OS concepts like multithreading, deadlock.

Rest round was DSA:

- Write code and explain OOPS concept through it
- Some coding questions on arrays and searching and their time complexity (like Binary search, Sort an array of 0s, 1s and 2s)
- Explain various scheduling algorithms and how will they be implemented
- Stack and queues implementation using Linked List
- Find kth largest element in an array
- Print all pairs of valid anagrams in a given array of strings

Then he asked me if I had any questions for him.

#### **Round 4: Technical Round – III (10 minutes)**

The interview started with introduction and I was given only 1 question: Given a string, replace a substring with a new given substring. I was asked to run the code and check the output. It worked fine.

She then told me that interview is over and do I have any questions for her. I asked about the work culture there.

#### **Round 5: HR Round (15 minutes)**

The interviewer first gave her introduction and then asked for mine. She then asked me questions like:

- My area of interest
- My strengths
- Why InfoEdge?
- Experience in previous rounds
- Where do I currently live as the job location was Noida? Will I be comfortable with location?

She then ended the interview by asking if I had any questions for her.