

# Freight Tiger Interview Experience

**BHUSHAN (MCA 2022 -24)**

## **1) Online Assessment:-**

**Platform-** Evalgator

**Total Questions -** 13 Questions (3 Coding + 10 MCQ)

**Duration-** 60 mins

### **Coding Questions:-**

- 1) Given a list of seats, return the maximum number of new people who can be seated, as long as there is at least a gap of 2 seats between people.

#### **Note:-**

- Empty seats are given as 0.
- Occupied seats are given as 1.
- Don't move any seats which are already occupied, even if they are less than 2 seats apart. Consider only the gaps between new seats and existing seats.
- Example -Input = [0, 0, 0, 1, 0, 0, 1, 0, 0, 0]

Output = 2

- 2) Each employee in an office is assigned a star count after the performance evaluation. This star count is stored in an integer array "stars" in the order of their seating arrangement (Assume linear seating arrangement).

➤ **The management is giving gift cards to the employees subjected to the following conditions:**

- a) Each employee must have at least one gift card.
- b) Employees with a higher star count get more gift cards than their neighbours.

Find the minimum number of gift cards needed by the management to distribute it to their employees,

- 3) You are given an array of prices where prices[i] is the price of a given stock on the i<sup>th</sup> day. You want to maximize your profit by choosing a single day to buy one stock and choosing a different day in the future to sell that stock.
-

Return the maximum profit you can achieve from this transaction. If you cannot achieve any profit, return 0.

### MCQ :-

- 4) A table is in 3NF if it is in 2NF and if it has no \_\_\_\_\_.
- 5) Which Data Structure is used to implement BFS in graph?
- 6) What happens when a program tries to access pages that are mapped in address space not in physical memory?
- 7) What will be the output of the code -

```
> Users > bhush > Downloads > file.cpp
1  void solve() {
2      int a[] = {1, 2, 3, 4, 5}
3      int sum = 0;
4
5      for(int i = 0; i < 5; i++){
6          if(i % 2 == 0){
7              sum += a[i];
8          }
9      }
10
11     cout << sum << endl;
12
13 }
```

- 8) In priority scheduling algorithm, when a process arrives at the ready queue, its priority is compared with the priority of\_\_\_\_\_.
- 9) <https://www.geeksforgeeks.org/gate-gate-cs-2009-question-55/>
- 10) <https://www.geeksforgeeks.org/gate-gate-cs-2011-question-46/>
- 11) Which scheduling algorithm is non preemptive?
- 12) What will be the output of the code-

```
int main()
{
    int a = 1, b = 2, c = 3;
    printf("%d", a += (a += 3, 5, a));
}
```

- 13) \_\_\_\_\_is the concept in which a process is copied into main memory from the secondary memory according to the requirement.

**32 Students were shortlisted for the next round.**

## 2) Technical Interview Round 1:-

Sir, asked me to introduce myself. I mentioned my project & my CGPA in the introduction .

- 1) You were from a non-cs background then how you scored 9.2 CGPA.
- 2) Tech Stacks you used in your projects.
- 3) Which programming languages do you know?
- 4) Have you done any project in Java? I denied
- 5) Have you used SQL in any project? I denied.
- 6) Then how are you managing the database of your app?

→ I mentioned Airtable as I used it to manage the database of my app.

Then he asked some questions related to Airtable. What is Airtable? How does it work?

- 7) Which programming language do you use for solving DSA problems? ( C++ )
- 8) Then he finally came to the DSA question.

→ Given two numbers represented by linked lists. Your task is to find the multiplied list and return the head of the multiplied list.  
The multiplied list is a linked list representation of the multiplication of two numbers.

[https://www.codingninjas.com/studio/problems/multiply-linked-lists\\_983603](https://www.codingninjas.com/studio/problems/multiply-linked-lists_983603)

- 9) Then he asked some questions related to Android & my projects -

One of the question is -

Suppose if you want to add some data in your app which already exists, how will you handle this duplicate data in the backend?

I don't know so much about the backend but i tried to answer and finally he was satisfied with my answer.

- This was the last question of this round. I answered all questions honestly & did not mention any Tech Stack or skill I don't know . Interviewer was very supportive. He was helping me if I got stuck on any question.

He was impressed with my CGPA & satisfied with the answers I gave and I was selected for the next round.

**Out of 32 Students 16 were shortlisted for the next round.**

### 3) Technical Interview Round 2:-

Sir, asked me to introduce myself, I again mentioned my project & my CGPA in the introduction .

1) As, I mentioned about my app in my introduction, He asked me -

You are given three source files. You have to make a design which generates the summary of the file which the user selects.

For example - One file is related to Mobile , one is related to any car & one more file.

Each file contains 1000 words. Your design should create a summary which has only 100 words.

I answered - Sir, I don't know exactly how this will happen but i will try to answer according to the things I have learnt.

We have a good discussion on this question. But he was not so satisfied, he wanted to ask how these 1000 words are converted into a meaningful summary of 100 words.

2) He drawn a table -

	Item1	Item2	Item3	Item4	Item5
No. of items	2	5	1	3	4
Weight of one item	5kg	1kg	2kg	3kg	1.75kg

Values are not same.

You are given a bag of 10kg you have to maximize the number of items.

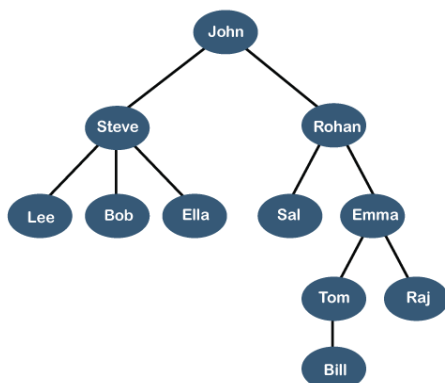
Firstly I gave him the approach, then he asked me to write code for it.

It took me some time, then finally I gave him the code also. Then, he asked me to explain it - Then I explained each step.

He was satisfied with the approach & code I have given. Then we moved to the next question.

- 3) You are given the root node of a tree, you have to find which levels have the same number of nodes and return them in a 2D vector.

For Example-



For this tree I have to return- [ [0,4],[1,3],[2]] .

As, level 0 & level 4 have only 1 node. Level 1 & level 3 have equal i.e. 2 nodes.

Firstly I asked some questions related to it. Then I gave him the approach, after that I told him the data structures I am going to use & purpose of using each. Finally I gave him code & explained each step . He was satisfied with my answer.

- 4) How Transactions work in Paytm? Sometimes you lose the internet connection or some error occurs but money will be deducted from your account. How does this happen?
- 5) You are withdrawing money from an ATM sometimes because of any error your money goes back in the ATM machine . How will this happen?
- 6) Some similar discussion related to checkpoints, rollback & ACID properties.
- 7) Have you used MySQL or Oracle? I said no.
- 8) Then some questions related to the project. How are you storing data in your app?
- 9) Suppose a server is running an App which requires 80% of the memory, now you want to run another app which needs 30% of the memory. How can this be handled?

Then I explained about the concept of Demand Paging. But he said this is the minimum requirement we can't use Paging here.

Then after thinking for some time I asked for any hint . Then he gave me answer : either we will modify this server or we can add one more server.

- 10) You are given a 4 core CPU with 8 threads , then how will the OS schedule 500 jobs ?

Then I explained the concept of multithreading.

11) It was the last question from his side, then he asked me if you have any questions?

I asked 3 Questions:

- Your experience with the company ?
- What Freight Tiger expects from freshers?
- Then I asked for feedback.

He said the interview was good but one thing is that you just switched in computer science .

Then I replied- Sir, it's only one year since I started my CS journey but I have learnt a lot of things & also doing great in academics and I have the potential to learn new things so fast which will definitely help the company.

This round was also great & I was shortlisted for HR Round.

**Out of 16 Students 10 were shortlisted for the HR round.**

#### **4) HR Round:-**

- 1) How were your previous two rounds?
- 2) Your experience with the panel members in the last two rounds.
- 3) What was the name of panel members?
- 4) Tell me something about yourself.
- 5) Tell me about your family background.
- 6) Why do you want to join Freight Tiger?
- 7) There are many candidates. Why should we hire you?
- 8) Have you done any project in a team ? Your experience.
- 9) Any project in which you faced many difficulties.
- 10) Have you done any project in which you learnt all the things yourself?
- 11) What is your app about? Who is your target audience? Is it still available on Google Playstore?
- 12) Have you completed any course on any platform or learnt any skill using any online platform?
- 13) What is your expectation with Freight Tiger?
- 14) In how many companies you sit before Freight Tiger. Why did you get rejected?
- 15) On which role you want to work if you get shortlisted?
- 16) What will be your preferred location if you get shortlisted?
- 17) Give me one reason you will reject this offer if you get shortlisted.
- 18) Any question you want to ask ?

I asked two questions

- Your experience with the company?
- What company expects from freshers?

This was the end of conversation, She was impressed with me & I got selected.

**Out of 10 Students 8 were offered Internship + Full Time.**

### **Suggestions:-**

- Be Honest in the complete process.
- Don't mention anything in your resume you will not be able to answer.
- If you are getting rejections, try to find the reasons for your rejections.

Learning & Experience of my previous Interviews are the reason I got selected in this company.

- Stay calm & don't panic during the interview. Many students can solve the same DSA question. What makes you different is your way of explanation. So, also work on it.
- Try to highlight your skill or achievement where you have done something extraordinary.
- I was from a Non-CS background, when I joined MCA I didn't even know C of Computer Science . If I can do it, anyone can. So, never lose hope & keep trying.

For any help you can contact me on LinkedIn:-

<https://www.linkedin.com/in/bhushanvashisth/>

**ALL THE BEST !!**