

How did you prepare?

Top Topics you prepared? (Mention at least 5 with comma separated)

Data Structures: Array, Stack, Graph, Linked List, Binary Tree, Queue

OOPS: Top Interview Questions from Interviewbit

Java: Top Interview Questions from Javatpoint

Operating System: Last Minute Notes from GFG

Database Management System: ACID Properties, Normalization, Joins, Queries

Preparation Tips: (Mention at least 2 preparation tips line separated)

Tip 1: Practice Data Structures questions consistently.

Tip 2: Make a notebook of all the DSA questions, it helps during revision a lot.

Tip 3: Try giving mock interviews.

How did you apply?

Where did you apply?

Received a mail from Campus to apply on D2C Platform for Girl Wanna Code by Flipkart

Any eligible criteria?

No eligibility criteria. Only certain colleges were allowed to sit for the same, Banasthali Vidyapith was one of them.

Resume Tips(At least Two)

Tip 1: Be very sure of all the tech-stacks you write in your resume.

Tip 2: Prepare your projects well and add links to them if possible.

Tip 3: Resume must be of not more than 1 page.

Why do you think you were shortlisted?

In my technical interviews, I was clear with my approach to the interviewer and gave the optimal solution to the questions. One must think aloud during the interview and I did the same.

Prior-Online Assessment Round :

For Girl Wanna Code(GWC) selection, there were 2 coding questions. 200 / 5500 students were shortlisted in this round. This round took place around February - March. Further, we were divided into groups and we were taught DSA by the mentors of the organization and were given a certain set of questions to practice. Further, there were regular contests as well. After the teaching and interaction sessions ended, there was an online assessment conducted by Flipkart for hiring at the AMCAT platform. The details of the Online Assessment round and interview rounds are mentioned below.

Number of Rounds

How many rounds were there?

4 (Online Assessment + 2 Technical Interviews + 1 Hiring Managerial Interview)

First Round Details

Round Type

Online Coding Round

Date Of Round(Approx.)

June

Difficulty of round

Medium

Duration of Round

90 Minutes

Location of Round

Online Mode

Description of Round:

There were 3 Coding Questions. The exam was camera-proctored and it took place on the Amcat platform.

Second Round Details

Round Type

Technical Interview 1

Date Of Round(Approx.)

August

Difficulty of round

Medium to Hard

Duration of Round

1 hour 15 mins

Location of Round

Online Mode

Description of Round:

There were 2 Coding Questions. The round started at 4:00 PM in the afternoon and ended at 5:15 PM in the evening. The interview was conducted on the SHL platform. The interviewer was really supportive and helped me to think in different approaches as well. The interview was camera as well as microphone proctored.

Problem Data:**Problem 1:****Problem Type**

Coding problem

Problem Statement:

The maximum sum of k corner elements

Can you explain stepwise how you solved this problem?

Initially, I took sum of the last k elements and had a pointer on (n-k-1)th element. Took another pointer at 0 and a variable to store maximum sum. Performed the following operations till the pointer pointing at 0 reaches k :

```
i = 0, j = n-k-1
//iterating a loop from i = 0 till k and j < n
sum = sum - arr[j++] + arr[i++]
max_sum = max( max_sum , sum )
```

Tip: Take care of the corner cases.

Problem 2:**Problem Type**

Coding problem

Problem Statement:

Find a path covering cities.

Input :

Delhi --to-- Bombay, Bombay --to-- Bengaluru and in such way, various other paths were given as well. I was supposed to find source and destination cities myself.

Output: A path covering all the cities.

Can you explain stepwise how you solved this problem?

Initially gave a solution using DFS using Adjacency Matrix but was asked to optimize it.

Gave an optimal solution using a map and was asked to write the pseudo-code of the same.

Tip: Speak out loud what you are thinking during an interview.

Third Round Details**Round Type**

Technical Interview 2

Date Of Round(Approx.)

August

Difficulty of round

Medium to Hard

Duration of Round

1 hour

Location of Round

Online Mode

Description of Round:

There were 2 Coding Questions. The round started at 10:00 AM in the morning and ended at 11:00 AM. The interview was conducted on the SHL platform. The interviewer was really supportive and helped me to think in different approaches as well. The interview was camera as well as microphone proctored.

Problem Data:**Problem 1:****Problem Type**

Coding problem

Problem Statement:

Find the length of the longest valid parenthesis.

Can you explain stepwise how you solved this problem?

Refer to the link mentioned:

<https://www.geeksforgeeks.org/length-of-the-longest-valid-substring/>

Problem 2:**Problem Type**

Coding problem

Problem Statement:

Given a 2d-binary($n \times m$) matrix and k operations. Perform all the k operations and return the maximum element of the same.

Input :

0 0 0

0 0 0

0 0 0

k - Operations (Here $k = 2$)

2C4

1R5

Resultant Matrix :

After 1st Operation : (2C4 - Add 4 to all elements of column 2 (1 based indexing))

0 4 0

0 4 0

0 4 0

After 2nd Operation : 1R5

5 9 5

0 4 0

0 4 0

Output: 9 (Maximum element of the matrix)

Can you explain stepwise how you solved this problem?

Initially gave brute force approach of performing k operations individually but was asked to optimize it. Further, I gave an $O(n*m*k)$ approach and due to lack of time, the interviewer asked me to verbally explain it.

Fourth Round Details

Round Type

Hiring Managerial Round

Date Of Round(Approx.)

August

Difficulty of round

Easy

Duration of Round

30 MInutes

Location of Round

Online Mode

Description of Round:

I was asked to introduce myself. Further, there was a discussion on my ongoing internship and projects. I was asked about the company values and to which I relate myself the most. Questions related to leadership qualities, positive attitude examples, strengths, and weaknesses were also asked. Further, there were various non-tech questions asked. Some of them are cited below:

Why do you want to join Flipkart?

How do you resolve the conflicts among your team members?

How do you approach a new problem? How do you resolve the issues you face while solving them?

One word that describes you perfectly.