

How did I prepare?

Top Topics I prepared:

Coding: Array, stack, queue, linked list, tree, graph etc.

Aptitude: Prepared Arithmetic aptitude section from Indiabix

Theory: Object oriented programming, DBMS and OS

Duration of Preparation:

Coding: 1 year (major was done in 6 months)

Preparation Tips:

1. Keep consistency in coding practice
2. Keep your basics strong in the theory subjects (DBMS, OOP, OS, CN, your preferred language)
3. Keep revising whatever you are learning (coding ques too)

How did I apply?

Where did I apply?

On campus

Any eligibility criteria?

No

Resume Tips:

1. Do not mention things in the resume that you don't have command on.
2. Keep the resume of 1 page only
3. Mention the projects along with their links (you can attach GitHub link as well)
4. Keep the resume simple, clean and highlight the important points

Why I think I got shortlisted?

Since in my interview only coding questions were asked so the expectation of the interviewer was to that I should give them optimised approach for every question they ask and I should be able to write the code for that as well. I did this for all the questions and I think that is why they selected me. Also, I kept myself calm and tried to catch all the hints and directions given by the interviewer throughout the process.

ABOUT FLIPKART INTERVIEW PROCESS:

Number of Rounds

4 (including online test)

Online Test:

Round Type: Online – 3 coding questions

Difficulty of questions: Medium

Date of Round: 2nd September 2021 8:00 am to 9:30 am

Duration of Round: 90mins

Description of this Round:

The camera and microphone were active and you can't take ss and switch between the tabs. There were 3 questions with some test cases and you can solve any question anytime. This time the questions were based on hash map, Dynamic programming (easy level) and simple logics. Also, each question will be given like a story so read the questions well and try to understand what they are exactly asking.

Why was I passed for this round?

I followed all the instructions like keeping camera audio on and solved around 2.5 questions

Tips:

1. Practice story like questions or the questions which have long descriptions
2. Try to solve the 1 problem at a time. Don't try all the questions together. Start with the questions you find most easy, complete that question and check if it is able to pass some test cases. Then move to next problem you find most easy out the remaining two.
3. Keep some time at last for reviewing the codes you wrote earlier and see if there is anything you can improve so that it can pass more test cases

Second round details:

Round Type: Video call

Difficulty: Easy – Medium

Date of Round: 4th September 2021

Duration of Round: 1 hr

Topic of Round: Problem solving and coding (2 coding questions)

Description: This interviewer started the interview with his introduction and then he directly moved to the 1st question. He expected the optimal approach. After he was satisfied with my approach he moved to the next question. He also asked about the complexity of my approach in both the question. Also, I was supposed to write the function for my approaches in both questions.

Why I passed this round?

When I got the 1st question, I explained him the question first so that I can get whether I am understanding the question right or not. After that, I started with naïve approach and wrote code for that and then moved towards optimal approach. During this he gave me some hints which I catch and I think this was the most important thing. In 2nd question I directly told him the approach which was optimal and wrote code for the same. He asked complexity for all the codes.

Problem 1: <https://www.geeksforgeeks.org/count-of-unique-pairs-arri-arrj-such-that-i-j/>

Problem Type: Coding problem

Stepwise explanation:

1. I told him the naïve approach given in the article and he asked me write the code for the same.
2. He asked the complexity and then he asked me to improve the complexity
3. I told him about the unordered_map and my approach which was not completely correct so he gave me some hints after which I gave the correct solution.
4. He wrote the code for the same and he asked about the complexity.

Problem 2: <https://www.geeksforgeeks.org/find-the-smallest-window-in-a-string-containing-all-characters-of-another-string/>

Problem Type: Coding Problem

Stepwise Explanation:

1. I told him the optimal approach and wrote the code for the same. (approach was same as given in the article)
2. Since the approach was not completely correct so we had a discussion and I kept of improving the approach as well the code.
3. Then he asked me about the code complexity

Third round:

Round Type: Video call

Difficulty: Medium

Date of Round: 4th September 2021 (Same day after 2hrs of 2st round) Duration of Round: 2 hrs

Topic: Problem Solving and coding

Description: This round was same as the previous round. They asked me 3 problems and expected optimal approaches and proper codes for all the questions.

Why I passed this round?

I kept calm and tried my best on solving each problem. I kept on telling everything I had on my mind and tried my best to go according to the interviewer's expectations.

Problem 1: <https://www.geeksforgeeks.org/minimum-length-unsorted-subarray-sorting-which-makes-the-complete-array-sorted/>

How I solved this problem:

1. I told him that I'll find the index of the element greater than next element from right side and index of the element smaller than the previous element from the left side. This approach was giving right output for the example array so he asked me write the proper code for the same.
2. Then he asked me to check if it will pass all the test cases. I said No I improved the code again and he asked me to improve the code accordingly.
3. Then he checked the code and asked my find the mistake in that, I did that and then he said till it won't 1 test case.
4. Luckily, I guessed that also and again improved my code accordingly.

Problem 2: <https://www.geeksforgeeks.org/find-distance-between-two-nodes-of-a-binary-tree/>

How I solved this problem:

1. Tree was my weakness I didn't know anything how I can solve this problem but just prepared my mind that I'll give my best and started solving the question.
2. I told him the approach somewhere same as finding the diameter of the tree.
3. After a short discussion he asked me about LCA and asked few questions for the same.
4. He asked me make the approach using the same. I tried to make my approach accordingly and he then asked the approach for LCA and after that asked me code the same.
5. I started but got stuck at one point and asked for some help so he said since we have discussed the approaches so we can move to next question. Nothing was more relaxing than his this line

Problem 3: <https://www.geeksforgeeks.org/length-of-the-longest-valid-substring/>

How I solved this problem:

1. I started my solution with stack and wrote the code for the same.
2. Then I improved the code as it may not pass some test cases
3. Finally, interviewer was happy with code and approach

Final Tips:

1. Coding demands you to be calm so stay calm and try your best to solve the problem given to you
2. Be consistent in coding practice and keep on increase your level of solving problems
3. Keep on revising the standard approaches you learned as 1 approach can solve 10 questions

Resources:

1. For Resume making: <https://www.hiration.com/>
2. For Resume making: <https://novoresume.com/?noRedirect=true>
3. Coding Platforms I prefer: Leetcode, InterviewBit and gfg
4. From where I solved coding questions:
 - InterviewBit
 - <https://www.geeksforgeeks.org/must-do-coding-questions-for-companies-like-amazon-microsoft-adobe/>
 - <https://docs.google.com/document/d/1SM92efk8oDl8nyVw8NHPnbGexTS9W-1gmTEYfEurLWQ/edit>
 - <https://www.geeksforgeeks.org/must-do-coding-questions-for-product-based-companies/>
5. From where I prepared for theory questions:
 - Gate Smashers
 - <https://docs.google.com/document/d/1sQIRDw6--HwyxeFL7b4kBsOG-Tz7rXMbpWNnfvJErA4/edit>
 - Before interview I used to read top 50 questions for every core subject (DBMS, OS, CN, OOP, C++)
6. YouTube channels I prefer:
 - GateSmashers : <https://www.youtube.com/c/GateSmashers>
 - Striver: <https://www.youtube.com/channel/UCvEKHATIVq84hm1jduTYm8g>
 - Aditya Verma: <https://www.youtube.com/c/AdityaVermaTheProgrammingLord>
 - CareerRide: <https://www.youtube.com/c/CareerRideinfo>