HOW DID I PREPARE?

I focused mainly on DSA since that is the part that takes most of the time and comes from practice . I coded in c++ so I learned about STL first which we need to learn for coding . I also learned theory subjects like dbms,oops ,os from utube channel gate smasher.

DURATION OF PREPARATION

4-5 MONTHS OF CODING 15 DAYS FOR THEORY SUBJECTS

HOW DID YOU APPLY?

On campus

ANY ELIGIBILITY CRITERION

NO

RESUME TIPS

1.Try to put everything in short

2.dont put anything that you don’t know

WHY WAS I SHORTLISTED?

I had answered coding questions in their optimal time complexity. Some questions were asked from theory subjects so I could answer them. I knew the backend and front end working of my mentioned projects.

NO OF ROUNDS

4

FIRST ROUND

CODING ROUND:-

Test was conducted on hackerrank platform,there was negative marking of -2 for wrong answer and 5 marks for each correct answer.

Aptitude questions related to profit , probability,algebra.

Technical mcqs related to dsa,computer science theory subjects

2 hr questions which were situation based(15min)

2 coding question which were of medium level(30mins)

1 advanced coding question(45min)

I don’t rememeber problem statements for coding questions.

HOW I CLEARED THIS ROUND:

I could manage to answer a large number of mcqs from aptitude section and technical mcqs section.I could pass few test case for one of the medium level coding question.

TIPS:

SINCE THE NEGATIVE MARKING IS OF -2 MAKE SURE YOU ARE CONFIDENT ABOUT YOUR MCQ CHOICE . HAVE KNOWLEDGE OF ALL THE DATA STRUCTURE AS WELL AS THEORY SUBJECTS FOR TECHNICAL MCQ ROUND.

FOR APTITUDE YOU CAN PREPARE FROM CAREAR RIDE UTUBE CHANNEL AND THEN PRACTISE FROM INDIABIX.

FOR CODING QUESTION I THINK TIME WAS PRETTY LESS(30MIN) FOR 2 QUES.

CODING QUESTIONS ARE ASKED MAINLY FROM TOPICS LIKE ARRAY,STRING,DP AND GRAPHS.

SECOND ROUND DETAIL:

PROJECT IS VERY IMPORTANT IN GS INTERVIEWS , I WAS ASKED QUESTIONS FROM MY PROJECT IN ALL MY ROUNDS.

CODE PAIR ROUND:

DURATION :30 MINS

DIFFICULTY LEVEL:MEDIUM

ROUND TYPE:VIDEO CALL

MERGE TWO SORTED ARRAY INTO ONE.I DID THIS VERY QUICKLY THEN SOME DISCUSSION ON TIME COMPLEXITY AND APPROACH. (IT’S A FAMOUS QUESTION AND YOU CAN FIND SOLUTION ON YOUTUBE, THERE WERE NO TYPICAL CORNER CASES IN THE QUESTION)

THE I WAS ASKED FEW OOPS QUESTIONS:LIKE HOW CLASSES WORK,USE OF OBJECT,FRIEND FUNCTION,POLYMORPHISM,FUNCTION OVERRIDING,OVERLOADIND,CLASS INHERITANCE.

THEY ASKED ABOUT MY PROJECT BUT SINCE IT WAS 30 MIN ROUND SO THEY DIDN’T ASK QUESTIONS FROM IT.

TIPS:

THERE IS A MUST DO INTERVIEW LIST OF DSA ON GFG , DO ALL THE QUESTIONS FROM THAT LIST.

THEN MOVE TO INTERVIEW BIT FOR CODING PROBLEMS.

THEN YOU CAN CHECK OUT LEETCODE TOP INTERVIEW QUESTIONS LIST.

FOR CODING QUESTION START FROM BRUTE FORCE APPROACH AND THEN GIVE THEM THE OPTIMAL APPROACH.

BE VERY CLEAR WITH OOPS CONCEPT.

KNOW THE BACKEND WORKING OF YOUR PROJECT SO THAT YOU CAN ANSWER THE PROJECT QUESTIONS.

THIRD ROUND:

TECHNICAL + HR

CODING PROBLEM : FIND 1ST NON REPEATING CHARACTER OF A STRING.

APPROACH: I STORED ALL CHARACTERS WITH THEIR FREQUENCY IN UNORDERED MAP.THEN I TRAVERSED THROUGH THE STRING AND CHECKED FOR THE CHARACTER WHOSE FREQUENCY IS 1.

TIME COMPLEXITY:2N

THEN SOME DISCUSSION ON HOW MAP WORKS.

PROJECT:

I WAS ASKED ABOUT TEST CASE OF MY PROJECT. SO I HAVEN’T TESTED MY PROJECT BUT WE DISCUSSED OVER POSSIBLE TEST CASES.

I WAS WELL VERSED WITH THE BACKEND WORKING OF MY PROJECT SO I COULD ANSWER THE QUESTIONS THAT HE ASKED ME.

HR QUESTION:

A SITUATION BASED QUESTION WAS ASKED.

TIPS:

SAME AS ABOVE

FOR HR QUESTION MORE THAN ANSWERING CORRECTLY WHAT MATTERS IS HOW YOU ARE INTERACTING.

BE INTERACTIVE IN ALL ROUNDS.

ROUND 4:

TECHNICAL + HR

IT STARTED WITH A SMALL INTRODUCTION ABOUT MYSELF(SO YOU CAN PREPARE THIS BEFOREHAND).

CODIND QUESTION:

THERE IS A PARAGRAPH OF WORDS I NEED TO FIND ALL THE WORDS IN THE PARAH WHOSE REVERSE ARE ALSO PRESENT IN THE PARAH.

BRUTE FORCE:

PICK A WORD , REVERSE IT AND LOOK FOR IT IN THE REMAINING PARAH.(O^2)

OPTIMAL: STORE ALL WORDS IN UNORDERED MAP , NOW AS WE ARE TRAVERSING REVERSE EACH WORD AND CHECK IF ITS PRESENT IN MAP OR NOT.(O N)

PROJECT: I WAS ASKED DATABASE TABLES I HAVE USED IN MY PROJECTS.

I WAS MADE TO WRITE SOME SQL QUERIES FROM PROJECT ITSLF. THEN I WAS ASKED HOW PASSWORDS ARE STORED IN MY PROJECT(HE WANTED TO KNOW ABOUT CRYPTOGRAPHY).

TIPS:SAME AS ABOVE

FINALLY SELECTED IN GOLDMAN SACHS!!!