How did you prepare?

Core Subjects (OS, DBMS, Networking, OOPS): Do Abhay sir's notes for DBMS as it is asked in detail otherwise, I prepared from a YouTube channel APNA COLLEGE - https://www.youtube.com/channel/UCBwmMxybNva6P_5VmxjzwqA

DBMS - https://docs.google.com/document/d/1KV-9I5D6iddJbAoDzPEBVR6izf-j_7PXq3JQSC7KC2Q/edit

OOPS - https://drive.google.com/file/d/1CljO4lsVcxLXj59X0OMBB5WNhG0fzVOw/view

OS - https://drive.google.com/file/d/1B_kmekdghu-sO8-eXZ1kc4Xx_YtB8BPM/view

CN - https://drive.google.com/file/d/1EraWa_yVfFHJqOMG2nG91fbg2g1FHm30/view

Data Structures

Mainly whatever was taught in college I used to study that for building concepts of various data structures.

TREES – I studied this from GFG thoroughly, make sure to read about AVL, Red and Black Tress as well.

DYNAMIC PROGRAMMING- Aditya Verma is the best - https://www.youtube.com/results?search_query=aditya+verma+dynamic+programming

Rest I regularly used to solve questions from – *Leetcode, Interview Bit, Prepbytes* to enhance myself and also used to participate in various coding challenges so that helps a lot to learn things about different languages that u still do not know. Also solved 450 top questions leetcode sheet easily available anywhere on google so that helps a lot to learn things about different languages that u still do not know.

Time to prepare – 6 months for me it varies and completely depends on you, your practice and your goal!

TOP TOPICS PREPARED: There is no top topic whatever is taught till now prepare everything. You never know what could be asked!

How did you apply?

Where did you apply?

On Campus

Any Eligibility Criteria?

- 7/10 CGPA and above
- No Active Backlogs in any semester

Resume Tips:

Tip 1: Don't mention things in the resume that you don't have full command on you should have complete knowledge of what you mention in your resume.

Tip 2: Make your resume short and if you mention projects in your resume be clear about the details of the project even if you have done that in group because the interviewer will surely ask from it.

Why do you think you were shortlisted?

1. Because I was clear with my projects thoroughly and with core subjects (OOPS, DAA, DBMS, Networking) specially.
2. Coding questions even if you are not able to run that code try to explain your approach to interviewer. This works. And helps you to go for further rounds.

Number Of Rounds

How many rounds were there?
- 4

First Round Details

Round type: Online round consisting of 3 video + 2 coding questions

Difficulty of Round: Medium

Platform: Bank of America's platform

Date of Round: 9th September,2021

Duration of round (in minutes): 90 min

Location of round: From our home

Description of Online Testing Round:

The test was active on 9th and 10th September and we had to complete it in 48 hours, so it was like we could attempt it at anytime in these 48 hours given time.

So, in total there were 5 questions (3 video questions + 2 coding questions) to be solved in 90 minutes.

The camera and microphone were open for 3 video questions and only camera was on for 2 coding questions. So, in video questions you need to record your answers with camera's open there.

The first video question was to **"Introduce yourself"**, second was **"Why should you be a good match for this profile"** and third question was **"Explaining the approach of your second coding question"** like u need to explain in detail what logic you applied to solve the second coding question.

CODING QUESTIONS

Question 1 – Easy Level

Given n test cases each of which has numbers in form of strings, output all numbers from 1 to that number which are not divisible by 5 or 7.

Example: i/p – 24
                o/p- 1 2 3 4 6 8 9 11 12 13 16 17 18 19 22 23 24

Question 2 – Medium level

Given a string s consisting of lower and uppercase letters where each letter has a value from 1 to 26 and we need to calculate the beauty value of this string which is sum of all alphabets in it.
Note: The string is not case sensitive meaning **F** exactly beautiful as **f** is.

Output the maximum possible beauty of this string.

Example: i/p – AbBCcc
            o/p – 152

Hint: You need to observe which alphabet will have what value….. like its not necessary for A or a to have value as 1 and Z or z to have value as 26. So think.

Why do you think you were able to pass this round?

I think I passed this round because I had solved both coding questions with all test cases running and I was very much confident in my video rounds.

Second Round Details

This was a very small round and was majorly around resume and HR type questions.
When I entered the meet, the first question was to Introduce myself.
After this the discussion went on my projects, the technologies I used and how did I overcome all the challenges during making my project.
The round lasted not more than 15 min and I was asked to wait for second round if I get shortlisted.

Third Round Details

Technical + HR

This round again started with my introduction followed up with a good discussion and lasted for about an hour.
The interviewer was very friendly and started asking me questions on each and every thing mentioned in my resume right from questions from all languages to all projects, a good discussion on projects made, to everything related to my hobby.

Some questions were:

- What are lists, dictionary
- Differences b/w list, dictionary and tuple

The above two were asked as I mentioned Python in my resume.

- Difference b/w x++ and x=x+1
- Is multiple inheritance allowed in Java
- How comfortable are u in coding?

- What is OS, DBMS, different types of joins, 1 SQL query (fairly easy – given a table with employees and their respective salaries o/p the second highest salary)
- Basic commands like CREATE, SELECT, GROUP BY etc were also asked
- What is networking, OSI Model, LAN and WAN – since I mentioned NETWORKING in my resume and he was a networking person
- Implement stack using queue and vice versa only verbal implementation

Questions on project were asked and since my project was related to HTML and Css so questions from that domain were asked

I mention travelling as my hobby so he asked –
- Where did you travel last and what enthusiast you about that place and all like he wanted to hear why is travelling my hobby

Some hr type questions were:
- What are your strengths and weaknesses?
- Which profile would you prefer?
- Where do you see yourself in 5 years and what are your goals?
- If given a choice between client, you and company who would you choose first and why?

So overall it was kind of healthy conversation and discussion so be confident and sure of whatever you have written in your resume.

NOTE: I haven't mentioned anything extra in my resume, just core subjects, 2 projects and languages known C, C++, Java. Web based html, css, team lead experience.

Be confident on whatever you have mentioned in your resume.

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