

- ## 1. ONLINE ROUND [ONE TEST 2019] [90 mins]

- ## 2. ONLINE INTERVIEW [45 mins]

- ## ONSITE INTERVIEW

- ### 3. ONSITE ROUND 1 [TECHNICAL] [75 mins]

- This round was majorly focused on System Design but 2 DSA questions were also asked.
- **Question 1** Given a matrix find a submatrix with the maximum sum.
 - The naive solution takes $O(n^4)$ time.
 - This is a standard DP question and can be solved in $O(n^3)$ time using [2D Kadane Algorithm](#).
 - I gave both solutions.
- **Question 2** Given a row-wise and column-wise sorted matrix find a given element.
 - The naive solution takes $O(n^2)$ time.
 - Can be solved in $O(n * \log n)$ time by applying binary search in every row or column.

- Can also be solved in $O(n)$ time by starting the search from the [top right element](#).
- I gave all 3 solutions.
- Both questions were asked in the first 15 minutes of the interview and the rest of the Interview was focused on System Design.
- **Question 3** Design a Restaurant Management System.

4. ROUND 2 [TECHNICAL + HR] [40 mins]

- During this round, Interviewer asked related to resume and my projects.
- **Question 1** Tell me about yourself.
- **Question 2** Given two very big numbers (each more than 500 digits), multiply them.
- **Question 3** In one of my Internships I had created a website (along with one friend), So he asked me to explain my entire process of website development from requirement gathering till deployment.
- Similar questions were asked regarding my other projects.
- I have done an Internship in my summer vacation of the second year at Samsung R&D Bangalore, So Interviewer asked me whether Samsung offered me an Internship this year and also asked me about my experience there.
- **The Last Question** Three Qualities why we should hire you?
- It is a standard question and I gave the answer that I read online.

I was selected for the Summer 2020 Internship, also received a PPO at the end of my Internship.

All the best for your interviews.

My Personal Notes\arrow_drop_up

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