# Dipesh Joshi (MCA 2020-23)
# Egencia Interview Experience

**Role: SDE Intern ([resume](resume))**

## Online Assessment (about 1 hrs) - 10/12/2022

It was a Java only test, with 18 language based and 4 DSA questions.

## Round 1: Technical Interview - 15/12/2022

The round started with my introduction, the tech stack I've worked with. The interviewer asked me how proficient I am with coding platforms and directly jumped into DSA.

Statement: *There are given M threads of different lengths we need to connect these threads into one thread. The cost to connect two threads is equal to the sum of their lengths. The task is to connect the threads with minimum cost.*

The interviewer discussed multiple solutions of the question including the brute force and Heap based solution, asked me to write the code for both and also asked to explain the time and space complexity of both the approaches.

## Round 2: Technical Interview - 16/12/2022

This round also started with my introduction and the interviewer started by asking about my experience in the internship mentioned in my resume and the level of work undertaken by me in the past. Then she asked me a few basic questions related to Full stack development like difference b/w state and props, which type of database paradigm is better scalable horizontally, etc. Then she started with DSA questions:

Q1. Longest Palindrome by Concatenating Two Letter Words
https://leetcode.com/problems/longest-palindrome-by-concatenating-two-letter-words/
While approaching the question, I was stuck in the middle and took a hint. The interviewer told me to use a hashmap instead of a hashset. Then the remaining part was easily solved and all test cases were working fine.

Q2. Maximum Subarray Sum

https://leetcode.com/problems/maximum-subarray/

This was a fairly easy question. Although I didn't remember the exact approaches, I just collected all the facts (that the sum can't be less than 0) and solved it in about 5 mins.

## Suggestions and Recommendations:

1. Keep your Resume 100% true and be confident about whatever you have mentioned on the resume. Anything can be asked in detail. Especially the projects and the skill set you have mentioned.
2. Be confident while answering and try keeping the interview a two-way communication rather than just an interaction. Always keep a smile while answering.
3. If you don't know about any technology, politely explain that to the interviewer and if possible, try to come up with something from your experience.
4. I would like to mention that this drive coincided with our semester exams and I gave my last interview in September so my skills were extremely rusty. Throughout the interviews, I just kept a clear mind, tried to apply the fundamentals and approached with a fresh mind.
5. Be positive and give your best shot.

**All the Best (:**