b'

Amazon Interview Experience (On-Campus for Internship 2019)

- Difficulty Level :\nEasy
- Last Updated :\n29 Jul, 2020

Amazon visited our campus for internship and full time. I took part in the internship drive and I am sharing my experience here.

Round 1 (Online) :

Everyone who satisfied the required cgpa (probably 7) criteria was allowed to sit for this round . It was mixture of aptitude and coding questions . The main parts were :

1. Logical Reasoning \xe2\x80\x93 Questions based on basic mathematics , relations , paragraph based questions were asked .
2. Debugging \xe2\x80\x93 We were asked to correct the given code / write the output of the given code in preferred language (c++, java etc).
3. Coding \xe2\x80\x93
   1. Graph based question (BFS) : https://www.geeksforgeeks.org/shortest-distance-two-cells-matrix-grid/
   2. Matrix based question :\xc2\xa0 https://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/

I could solve both the coding questions in minimum time and space complexity .

Round 2 (Pen and Paper Round) :

We were given two DSA questions and we had to write production ready code from scratch in 30 mins. The questions were:

1. https://www.geeksforgeeks.org/lowest-common-ancestor-binary-tree-set-1/
2. https://www.geeksforgeeks.org/print-a-given-matrix-in-spiral-form/

The code had to be syntactically correct and also all edge cases should have been covered . Additionally if you are confident enough do mention the time and space complexities. Small things like **proper variable names , edge cases consideration , neat code** makes a huge difference .

Round 3 (PI) :

This was the first face to face interview round . The interviewer was friendly and made me feel at ease before starting the interview . First he had a quick look at my cv . I didn\xe2\x80\x99t have any personal project / previous internships / extra technical skills .So I was asked mostly conceptual questions . \xc2\xa0\xc2\xa0

He asked me my preferred programming language . (I said C++). He asked me some questions on object oriented programming aspect like what are the main features of object oriented programming , difference between the access specifiers , where to use what , what are the benefits of oop , inheritance & polymorphism in depth etc .\xc2\xa0

He asked me some dbms questions . I was asked to write one or two sql queries mainly based on joins.

Then he shifted to DSA . I was asked about hashing \xe2\x80\x93 how it is implemented , types etc . I was also asked to design a hash function of my own . I couldn\xe2\x80\x99t answer this question perfectly . Then I was asked two DSA questions \xe2\x80\x93

1. LCA : https://www.geeksforgeeks.org/lowest-common-ancestor-binary-tree-set-1/\xc2\xa0

   At first I couldn\xe2\x80\x99t give the space optimized solution . He gave me some hints and ultimately I could give the space optimized solution .
   \xc2\xa0

2. https://leetcode.com/problems/k-th-symbol-in-grammar/

   I could give the recursive solution for this but it was not space optimized , so he gave me several hints . I followed them ,even went in the right direction but couldn\xe2\x80\x99t come up with the correct solution . However I shared my thought process throughout the discussion .

This round took about 1 hour . Some of my friends were called for a second PI round .

NOTE \xc2\xa0: \xc2\xa0 It\xe2\x80\x99s better to be fluent in java as most interviewers prefer that . Also it\xe2\x80\x99s not always important to give the correct code. The way we are approaching the question , our thought process matters as well . Therefore **think loud**.

Verdict : Selected\xc2\xa0\xc2\xa0

I practiced from geeksforgeeks for about 5-6 months . Initially I practiced topic wise , later when I was confident enough I started practicing company wise (mainly for those companies which visited our campus). Also I made it a habit to read atleast one interview experience from gfg daily .

\xc2\xa0

My Personal Notes\n*arrow_drop_up*

Add your personal notes her

Save

'