

Accolite Interview Experience - Aditya Potdar

Role - Software Engineer

Total 5 rounds - 1 technical test, 3 technical interview, 1 HR Round

Technical Test:

30 MCQs on Programming Concepts of Python, Java, C & C++. & 1 Python Coding Question on Graphs

<https://onecompiler.com/python/3xfj3t5sn>

8 selected for Round 1

Round 1 - Interview

- Tell me about yourself
- Explain any one project
- Concepts on OOPs (What is OOPs, 4 principles of oops and explain each one of them)
- Local and global scope, access specifiers in OOPs
- Explain overloading/overriding. Can we have 2 constructors with the same name?
- Namespace in python
- What do you mean by pointers in cpp?
- What are threads?
- What is garbage collection? Is it done internally or externally? (Depends on the programming language)
- What is OS?
- What is stack and queue?
- Difference between Linked List and array
- One Practical application of using stack
- Coding question:
 - <https://www.geeksforgeeks.org/check-if-pair-with-given-sum-exists-in-a-array/>
 - <https://www.geeksforgeeks.org/reverse-a-linked-list/>

Selected for Round 2

Round 2 - Interview

- Introduction
- Project discussion
- How would you design basic calculator?
- What programming concepts would you use if the user asks for adding more functionalities?
- Stack and queue real life implementation
- What is linked list and how would you check if it is circular or not?
- Merge sort and quick sort
- 3 Coding question
 - Implement queue using 2 stacks
 - Merge 2 sorted arrays
 - Pyramid Pattern for Fibonacci series
- Basic output question on pre and post increment operator
- Any questions ?

Not Selected for Round 3 Technical Interview

Result: Only 1 out of 8 selected