

NOTICE

Campus Drive BE & MCA 2018 Batch

Company: Evive Software Analytics Pvt. Ltd. (www.goevive.com)

Branch & Criteria: BE-CS, IT, EC & MCA with 60 % in current course & No active backlog

- Taken Data Structures and Algorithms course
- Very Strong in Data Structures and Algorithms
- Know to program in one language very well.

Date: 10th Feb 2018 **Reporting Time:** 08:30 A.M sharp

Venue: MIT, Ujjain

CTC: 5.52 LPA in the first year, 12 LPA in the second year, if the person clears Architect role. The first 6 months are internship at stipend of 18K per month.

Job Perks: Breakfast, lunch, snacks, gym, games, trips

Location: Bangalore

Job Description: Software Engineer/ Developer:

- Strong Data Structures and Algorithms
- Comfortable with one programming language
- Preferably Java

Quality Assurance Engineer:

- Some basic programming skills
- Ability to logically understand requirements
- Write test cases using Selenium IDE

This is not a manual tester job. It needs strong programming skills.

Data Science Roles:

- Interested in seeing patterns in Data
- Strong programming skills, Machine Learning algorithms
- Coded or know about the language R
- Strong Statistical background. Could be a Math Major.

Systems Engineer:

- Can code in Python or Shell.

- Very deep understanding of O/S – Linux

DevOps Engineer:

- Knack for puzzles
- Can analyze the system for bugs.

UX Engineer:

- Experience in developing front end User Experience
- Developed Android/ iOS apps
- Good grasp of Javascript, NodeJS (ReactJS is a big plus for us)

Process: **Round 1-** 30 Mins- Logic and Reasoning

Then PPT (Pre Placement Talk)

Round 2 – 1 hour

The second round is a written test with negative grading. The questions will be on Data Structures, Algorithms and other Computer Science topics. There will be a couple of Probability and Logic questions.

Example Questions:

1. You are given the postorder traversal, P, of a binary search tree on the n elements 1, 2, ..., n. You have to determine the unique binary search tree that has P as its postorder traversal. What is the time complexity of the most efficient algorithm for doing this?

a. $O(\text{Log}n)$ b. $O(n)$ c. $O(n\text{Log}n)$ d. none of the above, as the tree cannot be uniquely determined.

2. Suppose p is the number of cars per minute passing through a certain road junction between 5 PM and 6 PM and p has a poisson distribution with mean 3. What is the probability of observing fewer than 3 cars during any given minute in this interval?

3. You are asked to code the following.

If parameter1 = A, parameter2 = B and parameter3 = C, then the output = Role1

If parameter1 = B, parameter2 = C and parameter3 = D, then the output = Role2

If parameter1 = C, parameter2 = D and parameter3 = E, then the output = Role3

.....
.....

There are various combinations like this. What is the best way to validate the output?

How do you go about testing it?

4. Write the unix commands for following:

1. To find number of words in a file.
2. To find number of occurrences of a particular word in a file.
3. How can you get the last modified date-time for a file.

5. Write the pseudocode for the following simple program:

You are given an Array A storing X integers. Find the maximum element in this Array A.

6. Write an example for using of HTML form tag.

Round 3-- The third round is programming round, we want them to code according to industry standard, with good naming of the variables, methods, comments and good unit test cases.

Round 4-- The fourth round is face to face (Technical).

Round 5-- The final round is HR.

Candidates are required to carry:

1. Two Copies of Resume & 2 Passports sized color photographs
2. **Original & photocopies** of mark sheets & certificates from 5th onwards till now
3. College ID card & Photo ID proof.
4. Formal Attire