

Company name : “ **Tiger Analytics** ”

Common suggestions :

- Learn DSA , which will be helpful in answering aptitude type questions too .
- The main important topics that are asked in all three rounds are MCQ's on coding, DSA, ML, probability , SQL • For CSE students , especially on CN , OS , DBMS , OOPS. • Should be confident about the role selected (Quant role , Trading role , Software role , Analytics role)

OT Questions :

- Basic topics were Aptitude + CS core concepts MCQ's + 2 coding questions(easy -10mins , medium-20mins).
- Each section has its own time limit
- All rounds were conducted offline
- You will have three sections in online test :

These two sections are multiple choice

1. Quantitative
2. Programming fundamentals

Coding Questions:

1. Nice pair :

A given string S contains only two types of characters A and B . A pair (i, j) is called a nice pair when $i < j$ and $S[i]=a$ and $S[j]=b$. Find the number of nice strings in the string.

2. Tom's Average :

Tom is given an array of integers A of size N . Tom doesn't like the numbers that can be represented as a power of

2,4,8,16... and soon. He wants to find the average of all the numbers

excluding the ones that can be represented as a power of 2.

Find the average of all the numbers.

3. Height of hot air balloon :

Noah is riding on a hot air balloon. There are N bags with him each weighing w_i ounces if he throws away a bag weighing w_i ounces from the balloon it rises by a height of w_i feet. Noah can throw away atmost K bags from the balloon. The initial height h of the balloon from the surface is given. Calculate the maximum possible balloon height after throwing atmost K bags.

4. Minimum score :

An array A of length N ,we can arrange the array elements as needed. Print the minimum cost of the array. The cost of the array is the sum of absolute difference of adjacent elements. 5.

One of 10 faulty machines :

Available in google

❖ Interview is of 2 technical rounds and 1 HR

round. 1st Interview :

- 2 DSA questions – easy level , 1 probability , 1 puzzle
- Questions on ML (linear regression) and coding
- For CSE students , questions are on CN,OS,DBMS,OOPS.

1. he asked to implement Max pooling using dsa

You're given matrix A of order $N \times N$ and use $p \times p$ matrix for Max

- pooling with stride 1, print output matrix
2. Print frequency of elements in the Matrix
 3. Regularisation methods
 4. F1 score
 5. why MongoDB, advantages (asked this because I've mentioned in resume)
 6. Prob ques, if you throw 2 dice, what's the prob of getting sum >12 and sum >10
 7. Implement gcd of 2 numbers
 8. Kadane algorithm question
 9. If a stick is broken into 3 parts what is the probability that it forms a triangle.

2nd Interview :

- About topics like DSA , ML , general probability , SQL , mixed puzzles
 - DSA from leetcode , company and role specific questions
 - Core CS subjects from interview bit or website
 - Better prefer data science projects
1. He asked what are relevant courses/topics I've studied and asked questions from that
 2. Logistic regression mathematical formula, linear regression formula and explain terms in the formula
 3. Normalisation, write dsa code for it and what will be the mathematical function
 4. $5! = 120$, one trailing zero in $5!$
Without calculating the factorial tell how many trailing zeros will be there for any N number.
 5. probability of today is Sunny given yesterday was rainy is 0.4.

probability of today is rainy given yesterday was sunny is 0.3.

What is the probability that a month from now will be sunny given today is rainy.

HR Round :

1. Describe yourself in one word
2. What's one word if your friends have to describe you and one word if parents have to describe you, and will these both contradict?
3. Are you willing to relocate