



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

| | |
|-------------------|---|
| NAME | : Aparnaa Shree K |
| ROLL NUMBER | : 1704057 |
| DEPARTMENT | : ECE |
| EMAIL ID | : aparnaashree2000@gmail.com |
| CONTACT NUMBER | : 8300640733 |
| COMPANY NAME | : DE-Shaw |
| COMPANY TYPE | : DREAM |
| JOB DESIGNATION | : Member Technical (Quality and Testing Engineer) |
| SALARY (CTC) | : 34,00,000 - 35,00,000 |
| INTERN OFFERED ? | : NO |
| BOND | : NO |
| HAVE YOU PLACED ? | : YES |

(Please comment this section ***in detail*** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

Comprised of general and technical MCQ's and 2 coding questions. Time limit were given for each section. General MCQ's were related to quantitative aptitude, problem solving and logical reasoning. Technical questions were from databases, algorithms, finding out the output of a program, spotting logical errors in a program. There were negative marks for each wrong answer (33% of the mark allotted to that particular question). Each of the two coding questions consisted of 12-13 test cases some of which were unlocked to check out the error. We were allowed to use any of the programming language they given, which included C, Java and Python. The total duration of the round was about 95 minutes.

Have you cleared the round : YES

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|---|--|
| Problem Solving | Find the number of possible dates that can be formed from the given three numbers | Checking for validity of each date out of all 6 combinations |
| String | String slicing | |

ROUND 2 :

It was a face to face interview on HackerRank platform. Initially they asked some questions from operating systems, oops, data-structures which was followed by two coding questions. Approach for the coding question was asked and then we want to solve it using any of the programming languages. Logical questions were asked at the end. The total duration of the round was about an hour.

Have you cleared the round : YES

Details about Questions on 2nd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|----------------------|---|---------------------------------------|
| OS | How is memory allocation done in operating system? What are the types of memory? | |
| Computer Programming | What is this pointer What is dangling pointer | |
| Problem Solving | First repeating character in a string Example: Input : abcbac Output: a | Using strstr function in C |
| Problem Solving | Find the saddle point in a given 2d array | Using min and max functions in python |

ROUND 3 :

It was a face to face interview on HackerRank platform. Questions were asked from the subjects which were mentioned as areas of interest in the resume. After that coding questions were asked. Approach for each question is asked and then we want to solve it using any of the programming languages. Some coding questions were based on data structures. The total round extended for about 1 hour.

Have you cleared the round : YES

Details about Questions on 3rd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|--|---------------------------------|
| DS | Find the 3 rd element from the last of a linked list traversing only once | Using two pointers |
| Problem solving | Keypad text format Example: Input : hello Output : 44,33,555,555,666 | Division and modulo |
| Problem solving | Finding the shortest path in a maze | |
| Python | list slicing tuple accessing dictionary basics of dictionary | |

ROUND 4 :

It was a HR round. Clarifications regarding the role of the job, expectations of the company from our side were explained.

Have you cleared the round : YES

AREAS TO PREPARE :

Quantitative Aptitude, Problem solving, Logical reasoning, Data-structures, operating systems, object oriented programming language. Good programming skills in C/C++/Java/Python.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

GeeksforGeeks, HackerRank

OVERALL EXPERIENCE :

First round was somewhat difficult. Time has to be consumed efficiently to solve many number of questions. Coding questions had some corner test cases. Though the question was easy, I couldn't code to solve all the test cases in the given time. Second and third rounds had some coding questions for which they were very keen on approach for solving the problem. Overall experience was really good.

GENERAL TIPS :

- 1) Regarding quantitative aptitude, solving some GMAT questions will give some broader knowledge on that particular topic.
- 2) Daily practice will help to solve coding questions fastly.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Jayanandhana. E

ROLL NUMBER : 1705014

DEPARTMENT : Computer Science and Engineering

EMAIL ID : jayanandhana.elango@gmail.com

CONTACT NUMBER : 9443522772

COMPANY NAME : DE Shaw

COMPANY TYPE : Dream

JOB DESIGNATION : Member technical (QTE)

SALARY (CTC) : 34 - 35

INTERN OFFERED ? : NO

BOND : None

HAVE YOU PLACED ? : NO

(Please comment this section ***in detail*** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 : Aptitude test (95 minutes)

General aptitude are of medium to hard difficulty level. There were 6 questions divided into 2 parts shuffled between other questions based on a single data table or chart. So focussing on solving the first problem by interpreting the data correctly would help save time later. Other questions were from set theory, distance-time, etc., Technical aptitude tested if the candidate is strong in the fundamentals of data structures, DBMS. 4 or 5 questions were of the type: Given an input and its correct output with the code, the code will have some statements(mostly one) wrong which gives incorrect output. The task is to find which line is making the chaos. Then there were simple but tricky SQL queries and find the output type questions. All the code provided in the section were not language specific. They were all given in pseudocode. Then there were two coding questions given.

Have you cleared the round : YES

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-------------------------|---|--|
| Combinatorics | Given three integers, find the number of possible dates you can make out of them. | Generated all possible dates(6) and checked if it is a valid one. |
| String pattern matching | Given a string, erase the part of the string $s[:i]$ if it satisfies this condition: $s[:i] = s[i+1:2i]$ and find how many steps are needed to erase the entire string. | First, I tried by generating LPS array for the input and tried to find the pattern in the string. Then I went ahead with Brute-Force solution too. |

ROUND 2 : Technical round I – Code-pair round (60 minutes)

For me, They went straight to the problems. They gave two problems to solve

Have you cleared the round : YES

Details about Questions on 2nd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|---------------------------------|--|--|
| Sorting | Given an unsorted array, Split the array into sets of numbers which have the consecutive numbers having a difference of 1 and in descending order. | Used Insertion sort. Quicksort is more efficient. Partitioned the array into parts if the difference between the consecutive numbers is more than 1. |
| Finding pattern in the solution | Given the positions of a rook and bishop in the chessboard, give the output matrix which contains all the possible positions covered by them both when moved. In case of collision (both rook and bishop can | Rook's position – (x,y). Made the row "x" and column "y" as the rook's path. Bishop's position – (a,b). For any position |

| | | |
|--|---|--|
| | occupy that certain position), Give priority to the powerful piece. | (i,j), check if $\text{abs}(a-i) = \text{abs}(b-j)$ is true, if true, mark the position, else: don't. Then I gave an iterative approach of generating all the moves. |
|--|---|--|

ROUND 3 : Technical round II – Code-pair round (75 minutes)

Have you cleared the round : NO

Details about Questions on 3rd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|---|---|
| Brain teaser | There is a lily in a pond. It doubles its size everyday. It covers the entire pond in the 30 th day. Then how long will it take for two lillies to cover the entire pond? | 29 days. 1 lily covers the entire pond in 30 days. Since on day 1, the area covered will be 1, on day 2, the area covered will be 2, on day 3, the area covered will be 4, etc., So on day 30, the area covered will be 2^{29} . 1 lily $\square 2^{29}$ 2 lillies $\square 2^{29} / 2$ So the pond will be covered completely on (28+1) days |
| Combinatorics | Given a string, Find the number of sets that can be formed with combining them all together and satisfies the condition: For every element "T" in the set, I must be a prime number. (Note: No need to swap the numbers and generate the combinations) | Generated all possible sets and checked if the number is prime or not in $O(1)$ |
| Algorithm | Given an array of natural numbers, they are arranged in such a way that the difference between the consecutive elements is 1. The task is to find a target number inside that array in an efficient manner. | Check from the first element of the array, if the element x is found, return the index. If $a[i] < x$, jump $x-a[i]$ positions ahead. Since in the best case, the consecutive elements will be $a[i]+1, a[i]+2$ upto x(if present), else, move in the same manner to the left. If the index goes out of bound, not found. |

AREAS TO PREPARE :

1. Data Structures and Algorithms
2. DBMS
3. Combinations and permutations (High possibility of being asked in any problem)
4. OOPs

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Geeksforgeeks

Hackerrank - for practicing competitive programming
Codechef - for practicing competitive programming
IndiaBix – for practicing Aptitude.

OVERALL EXPERIENCE :

It was exciting since solving all the problems within the stipulated time was quite challenging.

GENERAL TIPS :

1. If the placement process is remote, Make sure you have a really good network connectivity which is good enough to support video, audio and screen-sharing simultaneously without any lag.
2. Having good problem solving skills and logical thinking is required.
3. Ask for clarifications when needed.
4. Start with the brute-force approach first and then make it optimized.
5. Interact with the interviewer as you think of the solution.
6. Be calm and composed. Thinking straight no matter what the situation helps a lot during the interview process.
7. Practice as many competitive programming problems as possible to gain speed in solving the programming questions in the coding round.
8. Experience gained in solving problems in DSA, DBMS labs helped. Focus on lab experiments rather than theory and challenge yourself with tricky questions continuously.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

| | |
|-------------------|---|
| NAME | : Maithreyan K |
| ROLL NUMBER | : 1631026 |
| DEPARTMENT | : M.Sc Software Systems |
| EMAIL ID | : suryamaithreyan@gmail.com |
| CONTACT NUMBER | : 8939327471 |
| COMPANY NAME | : DE Shaw |
| COMPANY TYPE | : DREAM |
| JOB DESIGNATION | : Member Technical (Quality & Assurance Team) |
| SALARY (CTC) | : 34-35 LPA |
| INTERN OFFERED ? | : NO |
| BOND | : NO |
| HAVE YOU PLACED ? | : NO |

(Please comment this section ***in detail*** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

Online test had 3 Sections and we had time limit for each section. The First Section was aptitude there were 14 problems given and 28 minutes to solve and we had -1 negative marking and +3 for right answer. Section two was technical aptitude it was comparatively easier, it was code snippets and you should debug it. Final Section was coding we had 2 question checking for valid date and another string-based question.

Have you cleared the round : YES

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|---|---|
| DS & Algo | Given 3 values find all valid dates. E.g. 11,20,37 – 11 can be month, day or year, 20 can be year or date 37 can only be year. | Generate all 6 permutations and check if it valid date. |
| DS & Algo | String based question, need to delete it if the characters are same. | Brute force approach of comparing characters. |
| | | |
| | | |

ROUND 2 :

I had two-member panel for the interview, I was asked to introduce myself. Then they started to ask some fundamental questions on OOPS and the they went to DS & Algo question

Have you cleared the round : YES

Details about Questions on 2nd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|--|--|
| DS & Algo | Given a string find the number of movements you need to make to print it in a Circular keyboard “A-Z” | Since its circular Z-A will be next to each other. So the maximum movement I need to make is $26/2 = 13$ |
| DS & Algo | Buy and Sell Stocks to get Maximum profit. You can buy and sell stocks as any times you want. [2,5,-1,-4,7,8,1] | Buy when next value is greater the current value. Sell when next value is less than current value. |
| OOPS | Copy Constructor vs Assignment operator | To create an new objects with the value of another existing object. |

| | | |
|------|---------------------------|---|
| OOPS | Static Variables in class | It belongs to the class and not to any particular object. |
|------|---------------------------|---|

ROUND 3 :

In this round we directly went into the coding question and other questions were asked after it.

Have you cleared the round : NO

Details about Questions on 3rd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|--|--|
| DS & Algo | Find the number of nodes each level of a graph is connected to, given the initial node. You also need to create the structure. | Used a Queue to perform level order traversal |
| DS & Algo | How to find two strings are Anagram | 1) Sort it 2) have the count of elements in an array[] of size 26. |
| DBMS | How to give partial access to different users. | I came up with some access control methods, the answer was views |
| OS | Multi-processing vs Multi-threading | Heavy vs lightweight, Message passing communication vs Shared memory within threads. |
| DS & Algo | Solving Minesweeper programmatically. | Came up with ideas, like setting flags and finding the most possible bomb location. |

AREAS TO PREPARE :

Data Structures and Algorithms, OOPS, DBMS, OS and strong in one programming language.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Leetcode, Geeksforgeeks, Hackerrank, Youtube channels

OVERALL EXPERIENCE : Was a good experience, was able to find the areas that I need to concentrate more on. Both the face to face rounds are equally important and you are evaluated completely.

GENERAL TIPS : Do the online test well to qualify. Since in a Quality and Assurance role the way you think of all the scenarios is important. Be good with optimizing space and time complexity.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Vinoth babu V

ROLL NUMBER : 1703058

DEPARTMENT : EEE

EMAIL ID : vinothbabu.kavitha@gmail.com

CONTACT NUMBER : 7358862965

COMPANY NAME : DeShaw

COMPANY TYPE : IT Company

SALARY (IN LPA) : 34-35

INTERN OFFERED ?(YES / NO) : No

BOND : Nil

DESIGNATION : Quality testing engineer

PLACED? (YES/NO) : No

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

This round consists of General apti, Technical apti and Basic Coding. Solving apti in this took more time than expected and also had negative marks. It had two coding questions and I was able to solve only one.

ROUND 2 :

Interview was about one hour. Total four questions were asked. Out of those three were coding and remaining was to provide efficient logic.

I got eliminated in this round

Questions Asked:

1. Given a set of array and N number of rotations. Show output after N rotations.
2. To find the equilibrium in a given array.(sum of the elements before and after the equilibrium is same)
3. How many minimum races is req to find fastest 3 horses of 25 given that only five horses can participate in one race.
4. How many minimum number of chance is req to find the one fake coin among 10 provided that the weight of fake coin is 4g and that of the original coin is 5g (Use physical balance to weigh)

ROUND 3 :

ROUND 4 :

AREAS TO PREPARE : Aptitude , C, C++, Java ,Python, Data structures, Dbms,Os

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Indiabix

RS Agarwal

OVERALL EXPERIENCE :

It was a great learning experience. Though we know basics, we need be strong enough to get placed.

GENERAL TIPS :

Practice more problems in hackerrank



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : ASHWIN RAM S

ROLL NUMBER : 1704006

DEPARTMENT : ECE

EMAIL ID : ashwinsjachu@gmail.com

CONTACT NUMBER : 9600842404

COMPANY NAME : D.E. Shaw & Co

COMPANY TYPE : Dream

SALARY (IN LPA) : 35 LPA

INTERN OFFERED? (YES / NO) : NO

BOND : NIL

DESIGNATION : Quality & test Engineer

PLACED? (YES/NO) : NO

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

It had 4 sections in total.

Section 1: It had 14 questions in total. The allotted time was 20 mins. The questions were based on Quantitative aptitude (average, ratio & proportion, time-distance, percentage) and few logical reasoning questions.

Section 2: It has 14 technical questions. The allotted time was 20 mins. The questions were based on Data structure, SQL, finding the output of the pseudo-code, finding the logical error in the pseudo-code And algorithm based questions.

Section 3: It had one programming question. The difficulty level was easy. The allotted time was 22mins (approx.)

Section 4: It has one programming question. The difficulty level was medium. The allotted time was 30mins.

ROUND 2 :

It was a live coding session along with video conferencing hosted in Code-pair (Hackerrank). I was asked two programming questions based on Data structure. The solution has to be done on live. Also, one logical question was asked.

ROUND 3 : Didn't attend.

AREAS TO PREPARE :

Be thorough in coding, because that carries more weightage. Should be able to think the logic for the problem in a quick manner. Practice application oriented data structure programs. Study all the concepts of Data structures, basics of OOPS & SQL. Apti questions were little hard, should have more practice.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Geeks for geeks, Java Point, W3schools

OVERALL EXPERIENCE : Good & Challenging

GENERAL TIPS :



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Anusiya M

ROLL NUMBER : 1705065

DEPARTMENT : CSE

EMAIL ID : anusiyamc@gmail.com

CONTACT NUMBER : 8754690400

COMPANY NAME : D.E. Shaw

COMPANY TYPE : Dream

SALARY (IN LPA) : 34 – 35

INTERN OFFERED ?(YES / NO) : No

BOND : None

DESIGNATION : Member Technical (QTE)

PLACED? (YES/NO) : No

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

1.GENERAL APTITUDE

It was bit difficult.So,one should have a lot of practice to solve within the time limit.Negative mark also there.So,first try to solve the known questions to get the better marks.

2.TECHNICAL MCQ's

This was the easiest one and the easiest way to get score.If one have good knowlege in data structure,object oriented programming language and DBMs ,we can easily crack it.In that Data structure algorithm tracing is very important.

3.CODING

This coding section contains 2 Questions.1st one is the easiest one and second one is bit difficult.If we practice in tha Hackerrank,we will easily crack it within the time bound.In that logic and optimal solution is very important.

ROUND 2 :

This round happenned around 1 hour.They asked about Data structure concept like searching,different types of DS and etc and questions related to our Area of interest.So,having good knowledge in area of interest is enough.

Then,they gave two programming questions:

1.givan an set of N positive numbers array.We have find the equilibrium position in that array.

Example:input:array=[1,2,5,3] output:2(right side of 5[index is 2] is 3(1+2) and left side is 3)

2.given an string like (hello),we have print the number based on old mobile keyboard.

output:44[h],33[e],555[l],555[l],666[0]

ROUND 3 :

ROUND 4 :

AREAS TO PREPARE :

Object-oriented programming, algorithms, data structures, databases, operating systems and computer networks. Should be proficient in C/C++/Java/Python. Strong analytical and problem-solving skills and oral communication skills are essential.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

OVERALL EXPERIENCE :

Good

GENERAL TIPS :

Be good in Core subjects and having practical knowledge in each concept.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : ASWIN M

ROLL NUMBER : 1705069

DEPARTMENT : CSE

EMAIL ID : aswin3519@gmail.com

CONTACT NUMBER : 9994343398

COMPANY NAME : D.E. SHAW AND CO

COMPANY TYPE : DREAM

JOB DESIGNATION : QUALITY AND TEST ENGINEER

SALARY (CTC) : 34

INTERN OFFERED ? : NO

BOND : NO

HAVE YOU PLACED ? : NO

(Please comment this section ***in detail*** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

ONLINE ASSESSMENT.

CONSISTED OF GENERAL AND TECHNICAL APTITUDE.

THERE WERE 2 PROGRAMMING QUESTIONS

Have you cleared the round : YES

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|---------------------|--|--|
| MATH | FIND POSSIBLE COMBINATIONS OF DATES GIVEN X,Y,Z WHERE $0 \leq X,Y,Z \leq 99$. Eg: x = 1,y = 0,z = 3 Answers: 1 st March 1900 or 3 rd January 1900 OP: 2 | BRUTE FORCE – Maintained a Month Array to determine valid days give a month. |
| DYNAMIC PROGRAMMING | REDUCE THE STRING EITHER BY REMOVING A PREFIX OR THE ENTIRE STRING TO GET MAXIMUM SCORE. Eg: hiahia Op: 3 Remove hi -> hiahia (hi is a prefix to hiahia) Remove hia->hia Remove hia. | MEMOISATION |

ROUND 2 :

TECHNICAL INTERVIEW.

QUESTIONS INVOLVING DATA STRUCTURES AND YOUR FIELD OF INTERESTS ARE ASKED.

OOPS: COPY CONSTRUCTOR , VIRTUAL FUNCTIONS ,DESTRUCTORS

JAVA: GARBAGE COLLECTOR ,MEMORY LEAKS, HASHTABLE VS HASHMAP. IS HASHTABLE SYNCHRONOUS ?

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|--|---------------------------------|
| SEARCH | GIVEN AN ARRAY AND A CONDITION THAT CONSECUTIVE ELEMENTS HAVE AN ABSOLUTE DIFFERENCE OF 1 , FIND AN ELEMENT. | LINEAR SEARCH. |
| STRING | FIND INDEX OF FIRST NON REPEATING CHARACTER. | HASHING |

Have you cleared the round : NO

AREAS TO PREPARE :

DATA STRUCTURES

*ANY ONE OF THE FUNDAMENTALS OF COMPUTER SCIENCE[COMPUTER NETWORKS,
OPERATING SYSTEMS,DBMS]*

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

INTERVIEWBIT.COM

GEEKSFORGEEKS.

MIT OPENCOURSEWARE[YOUTUBE]

OVERALL EXPERIENCE :

*A LOT OF FOCUS IS GIVEN ON THE WAY YOU ANSWER AND ALSO THE DEPTH OF THE
KNOWLEDGE YOU HAVE IN A SUBJECT.*

GENERAL TIPS :

*TRUST YOUR SOLUTIONS AND BE LOUD WHEN YOU ARE THINKING. THE INTERVIEWS
ARE SHORT COMPARED TO OTHERS AND ONLY A SMALL AMOUNT OF TIME IS THERE
TO EXPRESS AND ANSWER.BE CLEAR.*



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : PRABHA D

ROLL NUMBER : 1705094

DEPARTMENT : B. E COMPUTER SCIENCE ENGINEERING

EMAIL ID : prabha.dharmaraj2899@gmail.com

CONTACT NUMBER : 9080988048

COMPANY NAME : D. E SHAW INDIA PRIVATE LIMITED

COMPANY TYPE : DREAM

SALARY (IN LPA) : 34 - 35 LPA

INTERN OFFERED ?(YES / NO) :

BOND :

DESIGNATION :

PLACED? (YES/NO) : NO

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

The first round consisted of general and technical aptitude followed by 2 coding questions. Aptitude questions were interesting to solve. Coming to the coding section, the 1st question was easy but taking into account of all possible test cases were important. The second question was based on strings.

ROUND 2 :

The second round was a Code pair interview. The interview started off with some DBMS queries since I told them DBMS was one of my favorite subjects. Then I was given 2 questions to code. The first one required simple logic but problem solving skills are highly needed to come up with that solution. The second question was related to buying and selling of stocks and shares.

ROUND 3 :

ROUND 4 :

AREAS TO PREPARE : Problem solving, Dynamic Programming, Data Structures and Algorithms, DBMS, Operating Systems

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Geeks for geeks, leetcode, csdojo. There are many YouTube channels with great stuff that helps us to ace the tests.

OVERALL EXPERIENCE :

The company expected excellent problem solving skills and I got to learn how to improvise myself in such skills. The overall experience was amazing.

GENERAL TIPS :

Be strong in the fundamentals.

Don't panic in the interview (which I basically did in my second round).

Ask the interviewer if you don't get the question clearly.

Put efforts for aptitude qns equally as you do for coding and other core subjects. Only then you can clear the first round.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Nandhini MB

ROLL NUMBER : 1631032

DEPARTMENT : Computing

EMAIL ID : nandhinimb.cit@gmail.com

CONTACT NUMBER : 7358073880

COMPANY NAME : DeShaw

COMPANY TYPE : DREAM

JOB DESIGNATION : Member Technical(Quality and Testing Engineer)

SALARY (CTC) : 34,00,000-35,00,000

INTERN OFFERED ? : NO

BOND :

HAVE YOU PLACED ? : NO

(Please comment this section ***in detail*** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

There were 4 rounds and no of rounds are subject to change every year. The whole process was online.

ROUND 1 :

- Time 95 Min with time constraint for each section.
- Aptitude:
 - Section 1: Questions on quantitative aptitude.
 - Section 2: Output for algorithms and code, Complexities for algorithms, dbms queries.
 - Section 3: Data Interpretation questions.
- Coding: 2 Coding questions
 - Question 1: Type Easy - 20 min
 - Question 2: Type Medium - 30 min

Have you cleared the round : YES

Details about Questions on 1st round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|-----------------|---|--|
| General | Given 3 integers (XX,YY, ZZ) , return the total number of valid dates possible with the given integers in dd/mm/yy format. | find possible permutations of xx,yy,zz and check if that is valid. |
| String | Maximum number of given operations to remove the entire string. 1.Remove the entire string 2.Remove a prefix of the string str[0..i] only if it is equal to substr[(i+1)...(2*i+1)] input: zzzzz output: 5 input:aabaab output: 2 | find the prefix of string from length 1 and check if the subsequent substring of same length matches it. |

ROUND 2 :

- 2 Coding questions on hackerrank codepair for 1 hr.
- I was expected to code properly after understanding the question.
- Should be proficient in language whichever we choose to code.

Have you cleared the round : NO

Details about Questions on 2nd round:

| QUESTION DOMAIN | QUESTION | SOLUTION / HOW DID YOU APPROACH |
|------------------|---|--|
| Key Value pairs | Given N mailing group names and a set of id's(ids can be other group names or individual id's) for all the mailing lists. Question is to find all the individual ids for the given group. | Using a dictionary for key value pairs and pattern matching to differentiate group names and ids. Given the group name which is a key look for all the values, if the value is another group name recursively look for ids of that value. |
| Logical thinking | For a given array of integers, find an equilibrium point i, where the sum of elements before i equals the sum of elements after i. | Coded the brute force approach. |

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Specifically for the process , Some of the programming questions were from geeksforgeeks.
- RS Agarwal for Apti.
- geeksforgeeks for Concepts.
- glassdoor for previous interview questions.
- Hackerrank for problem solving.

OVERALL EXPERIENCE & GENERAL TIPS:

- Time management is very important for round 1.
- Think simple instead of taking the given problem as a complex one and try to solve it one step at a time.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Sai Krishna N

ROLL NUMBER : 1632043

DEPARTMENT : M.Sc Data Science

EMAIL ID : sksai1307@gmail.com

CONTACT NUMBER : 9944402865

COMPANY NAME : D.E Shaw India Pvt Ltd (DESIIS)

COMPANY TYPE : Dream

SALARY (IN LPA) : Rs. 34,00,000 - 35,00,000

INTERN OFFERED ?(YES / NO) : NO

BOND : NO

DESIGNATION : Member Technical (Quality and Testing Engineer)

PLACED? (YES/NO) : No

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 : The first round had four sections. Aptitude, Technical and two Coding sections. There was also negative marking in this round , so be aware of it. It was for 138 marks for 95 minutes. In aptitude section the questions for not that difficult, but time was the biggest constraint. You will have 2 mins for every question. Try skip difficult the question first and do the easy question first. Don't waste time on the question that takes time. In technical section we had questions from both data structures and DBMS. Two coding question as usual matters a lot to get into the next round.

ROUND 2 : The second round was kind of programming round, myself and the two interviewers will be in video cam, in a codepair page in Hackerrank. They will be asking a programming question and we have to code for the same. They will try to understand how do you think and solve the problem.

ROUND 3 : Didn't qualify.

ROUND 4 : Didn't qualify.

AREAS TO PREPARE : Data structure and algorithms

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS : Try to do regular coding in any coding platforms such as codechef, codeforces. They even asked did we have any profile in those coding platforms.

OVERALL EXPERIENCE : Since it is a dream company everyone will be interested to join this company, they don't want you to be aware of every new technology, if you are very thorough in basic fundamental such as data structures you can easily get the offer.

GENERAL TIPS : Nil.