

PLACEMENT CHRONICLES

**RECRUITMENT PROCESS &
INTERVIEW EXPERIENCES**
Semester - I
AY 2020-2021



**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI
HYDERABAD CAMPUS**



FOREWORD

Dear Students

It gives us immense pleasure to present the PU Chronicles for the AY 2020-21. The document aims to provide you with information that would help you to make important decisions related to your placements and academics.

This document has been curated by compiling the interview experiences from students who cleared the interview rounds and were placed in the companies that visited campus in 2020-21. This is by no means an exhaustive document enlisting all the students placed or all the companies that visited. The information here is from the student's perspective and thus can be very resourceful to students as they gear up for the processes yet to come. We urge you to get in touch with us directly to clarify doubts, and also write to us at placement@hyderabad.bits-pilani.ac.in in case you notice any glaring errors. We will ensure that a rectification notice is sent at the earliest.

A word of caution: Placements is an extremely volatile area, and changes based on a number of factors such as market conditions, recruiter relationships and business constraints. Please read through the document with the awareness that the trend for a certain year may not be the trend for the next year. Hence, streams that did not do well in a particular year will be the best placed in the following year. The rounds and processes conducted by a company in the previous semester may very well differ this semester.

Hence, prepare hard, be optimistic, and rest assured - the Placement Unit is always there for you!

All the Best
Placement Team
BITS Pilani
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SEMESTER - I



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DOMAIN

ANALYTICS



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An Overview:

The AN Domain saw four companies coming for placements. 22 students were taken in total in the industry. There was an initial aptitude test followed by the technical and HR interview. The questions asked were mainly related to case studies and technicalities covered in Finance minor related courses were also checked.



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EPSILON[®]

Company Name: Epsilon

Eligibility: B.E. All

CGPA Cut-off: 6

Roles: Data Analyst

Selects: 5

Selection Rounds: 4

CTC: 10.00 LPA



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Name: Avyay Varma (2017A2PS1049H)

CGPA: 8.45

Role: Data Analyst

Semester Placed: Semester 1

Recruitment Procedure

Online Test:

Around 25-30 questions on R and Python

Interviews:

Round 1:

was technical, questions on the technical aspects of my finance projects on the resume like regression excel modelling and python, 2-3 problems and 2 coding problems and excel functionalities

Round 2:

was heavily resume based with a lot of focus on the projects mentioned on the resume. I had mainly put my finance projects on the resume and interviews revolved around them with some questions like the application of data analytics in finance and was finished with 2 case studies.

Round 3:

HR round

When did you start seriously preparing? How did you go about it?

Placements began around August and I started preparing from Mid-June.



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Topics/ Skills essential/ recommended for selection:

Basic R or Python and excel

Sources that helped in preparation:

Some coursera courses on python and case studies from case in point and similar material

Important Tips:

Know your projects mentioned on the resume really well it will be a huge focus in the interview.



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Name: Gaurva Sarda(2017A2PS0958H)

CGPA: 9.31

Role: Data Analyst

Semester Placed: Semester 1

Recruitment Procedure:

1.Online test

Based on R, SAS, SQL, Python, etc.

2.Interview:

Round 1: General+Case studies,

Round 2: Case studies

Round 3: Resume based

Round 4: HR



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Name: Sai Shiva Srimanth Pannem(2017A1PS0902H)

CGPA: 8.08

Role: Data Analyst

Semester Placed: Semester 1

Recruitment Procedure:

1) Online Test:

Basic questions on R, Python, SQL, Quantitative Aptitude, etc.

2) Technical Round 1:

I was asked questions based on my resume, especially on projects that I mentioned. I was asked about my humanities (more so than my finance and chemical engineering projects) because it was different from my major degree (Chemical Engineering) and my minor degree (Finance). I was asked to solve a few puzzles, in the most efficient way. I was also asked a few questions on statistical models and the assumptions and shortcomings about the same.

3) Technical Round 2:

Case Study about the car industry, particularly on the marketing aspect. I was asked how I would build a marketing analytics model, if given a particular set of constraints. I specified the benefits of the model, its limitations, the general problem solving methodology. Also, I tried to specify the kind of input/output that the model would require, and how the results may be interpreted. The interviewer mainly checked my problem solving ability.

4) HR Round:

Questions about my hobbies and college life were asked first. Then, questions about conflict resolution, like "What would you do if you disagreed with someone?", were asked.



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When did you seriously start preparing?

Because of the pandemic, we were given a university wide subscription to coursera. I used it to explore various subjects and courses, including data science and finance. I also used youtube to learn about many business cases and what happens in real life.

Important CDCs and Electives:

Finance courses have projects that require data analysis on python and R, so they're useful to a certain extent.

Topics/ Skills essential/ recommended for selection:

Try to solve problems and puzzles of various kinds. When solving those problems, try to solve them in the most efficient way possible. There isn't a fixed pattern on what will be asked in the interview, especially in the case study, try to read up on various business problems and how they were solved.

Projects that helped (if any):

The humanities project showed that I was well rounded in my interests. The projects that I did in my finance courses were helpful, albeit indirectly, but mainly because of the use of python and R.

Sources that helped in preparation:

Coursera, various puzzle and logical reasoning books, Youtube. Geeks for Geeks. There are a lot more resources online, if you're willing to spend the time and effort to search for them and learn from them.



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Company Name: Indus Insights
Eligibility: B.E. all, B.Pharm
CGPA Cut-off: 0
Roles: Associate (Consulting/Analytics)
Selects: 3
Selection Round: 4
CTC: 13.50 LPA



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Name: Manan Raval (2017A1PS1146H)

CGPA: 8.21

Role: Associate

Semester Placed: Semester 1

Recruitment Procedure:

1st Round: Online Aptitude & LR Test- 3 parts- Quant, Verbal, Data Interpretation + Guesstimate (30 minutes' duration, type mode)

2nd Round: Guesstimate Interview- Estimate an average Indian Youtubers monthly earnings. Ask questions and always look for hints in the answers from the interviewer.

3rd Round: Case Interview- Should an XYZ Airline introduce baggage fee? The calculation was key and basic knowledge of finance and business-related to variable costs and PLF factor was sufficient. It was mostly numerical: faster and accurate math along with general awareness was enough.

4th Round: HR Interview- Resume was grilled thoroughly along with a few general HR questions such as weaknesses and work ethic. All the rounds were elimination in nature.

When did you seriously start preparing?

2 months before the start of placements. Solved Case Studies and Guesstimates and gave mock interviews.

Important CDCs and Electives:

FM, BAV, PoM

Topics/ Skills essential/ recommended for selection:

Communication Skills, Case Studies

Sources that helped in preparation:

- Cases and Guesstimates: Victor Cheng videos, Case Interviews, Cracked, Case in Point (Practiced with friends, took guidance from seniors who are expert at these)



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- Aptitude: knew most of the tricks from my NTSE prep during school. Practiced on the app IndiaBix and PU Portal. Revisited through the solutions after every test.
- HR: Quora and Glassdoor mainly to increase knowledge about the company, and to find commonly asked questions. Try to be impromptu while answering, do not prepare anything beforehand, look rehearsed.

Important Tips:

Be prepared to answer anything about your resume and be as real as possible while answering any question (If you don't know something, be upfront about it, don't bluff). Case in Point and Case Interviews Cracked are 2 books more than enough to prepare for both case studies and guesstimates, however, practice a variety of cases. Research about the company and the sector which they are in thoroughly before the interviews.



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Name: Rweetam Bhattacharya (2016B1A20938H)

CGPA: 7.7

Role: Consulting

Semester Placed: Semester 2

Recruitment Procedure:

R1 - Aptitude test (online): written guesstimate Everyone was allowed to write this test. 19 from hyd campus were shortlisted to the next round

R2 - Oral guesstimate : Needed to walk the interviewer through my approach & eventual solution to this guesstimate. Will call it a standard guesstimate question. Can be prepared by normal practice. You just had to have a very logical framework & take the interviewer through each step. 4 from hyd campus shortlisted to next round

R3 - Case Study : Case study was narrated to me. Was very conversational in nature. Numerous 'sub-questions' were asked, which had to be answered carefully while also keeping in mind the overarching goal of the case. Was asked to focus on structuring the answer without using numbers, once the interviewer was convinced with my approach, I was provided with nos. The nos part was simple arithmetic, who's formula was derived from the case discussion. 2 from hyd campus shortlisted to next round

R4 - Interview : Seemed like a HR interview, but was conducted by a very senior consultant. Wanted to assess my 'fit' within the firm. Grilled on Internship experiences & my outlook in general. Nothing really to prepare here, be truthful & confident.

When did you seriously start preparing?

Somewhere in the middle of PS. I prepared with a bunch of friends.

Important CDCs and Electives:

Consulting is a generalist role. Don't think there is any course specifically tailored to this profile. Optional, check out POM, some concepts are relevant.



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Topics/ Skills essential/ recommended for selection:

Ability to demonstrate logical thought structuring.

Sources that helped in preparation:

Case Interviews cracked. Day One. PU chronicles.

Important Tips:

Practice with a group of friends, that's the best way to stimulate a case study session. PU provides sufficient preparation material, go through as much as you can. All the best!



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DOMAIN

BUSINESS & FINANCE



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An Overview

The Business and Finance sector noted 5 companies recruiting from our campus. The offered roles were trainee- analyst, graduate analyst, manager and quantitative researcher. There were a total of 21 selects.

The interview questions were based on aptitude skills, knowledge of Coding, data management; nevertheless one needs to be good and quick at math. Majorly, analyst(trainee analyst or graduate analyst)roles offered by the companies. DSA ,OOP, DBMS were some of the important courses for the placements.



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Deutsche Bank

Company Name : Deutsche Bank

Eligibility : BE - CS, ECE, EEE, ENI

CGPA Cutoff : 6

Role : Graduate Analyst (IT)

CTC : 20.5 Lakh

Selects:7

Selection Rounds:5



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Sector: Banking and Finance

Name: Nikhil Kandukuri

Role: Graduate Analyst

Mode of Offer: On-Campus

Recruitment Procedure:

- **Coding Round:**
 1. There were three questions with splits of 20-50-50 marks.
 2. The topics were Math, Dynamic Programming and logic-based questions you come across in CC.
- **First Technical Round:**
 1. Questions were asked from DSA, OOP and DBMS.
 2. The questions from DSA included 3-4 questions on Trees (Right Binary Tree, Max Root Sum etc.), DFS (a real life use case was also asked).
 3. OOP concepts like Polymorphism and Abstraction were tested.
 4. ACID properties and standard SQL queries were asked from DBMS.
- **Second Technical Round:**
 1. The first part of the interview focused on the internships/projects I had listed on my resume. They were discussed extensively and questions were asked with regards to its implementation and scope.
 2. The second part of this round consisted of an OOD question. A scenario was given and an OOD approach was to be adopted and relevant data structures and the approach had to be explained and coded at a superficial level.
- **Manager Round:** Many scenarios were drawn up and I was asked my thought process and approach to each one of them. Main emphasis was laid on how I would conduct myself in a team environment. It was a pro-fit round and no technical questions were asked.
- **HR Round:** General questions on what do you know about the company, why do you want to join this company, future plans.

Other Relevant Information:



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- Be thorough with the internships/projects that you list on your resume.
- **Serious Preparation:** One month before. Gave contests on codeforces and studied OOP, OS, DBMS.
- **Important CDCs/Electives:** DSA, OOP, OS, DBMS.



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Sector: Banking and Finance

Name: Abhishree Jain

Role: SDE

Mode of Offer: On-Campus

Recruitment Procedure:

Online DSA-based questions (just like all other companies). Around 15 people got through this round.

1. First Technical Round:

1. The interviewer focused on your project.
2. Basic OOP concepts (give examples of abstraction and encapsulation and use it in your code with an example and explain).
3. I was asked to code quick-sort and explain my method.
4. Around 5 people were eliminated in this round.

2. Second Technical Round:

1. It was purely DSA based.
 2. Linked list and heap is very important.
 3. I was asked to sort a list in the most effective way, convert a linked list into a palindrome, implement stack using linked list and level order traversal. The first three questions had to be coded completely and as I ran out of time the interviewer asked me to explain level order traversal and was satisfied with the response.
 4. Again round 5 people were eliminated in this round.
- This was a managerial round, I was asked about the importance of the projects I did previously and why I would prefer joining DB over other companies.
 - The last round was an HR round which was more background related.

Sources Of Preparation:

- Geeks for Geeks



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Other Relevant Information:

- Know your projects thoroughly, you should know what you used and why you used it and how you went about the entire project. Data structure implementation is also very important.

Projects:

All projects which you have completed in your college are important

Essential Topics/Skills:

Linked list, heap, sorting, all OOP topics

Important CDCs/Electives:

DSA, OOP



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Sector: Banking and Finance

Name: Nikhil L

Role: Data Analyst

Mode of Offer: On-Campus

Recruitment Procedure:

Coding test: There was a competitive coding test with 3 questions and fixed time to code the solutions.

First round: Coding questions - reverse linked list, insert element into a linked list, etc.

Second round: 1 question on SQL querying, asked us to execute the code we wrote in the previous round.

Third round: Discussed all the projects listed in the resume.

Fourth round (HR): everyone that made it here passed the interviews. just a brief intro into the company and the culture and some questions about you.

Sources of preparation:

- Leetcode
- interviewBit
- Codeforces

Important CDCs and electives:

- DSA
- DBMS



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Other relevant information:

When did you start seriously preparing? How did you go about it?

March 2020. Did a lot of competitive coding hence the first round was very easy.

Second round was about standard coding problems that you MUST know if you are sitting for placements (all available on Leetcode). Did not have impressive projects but could explain them with proper ownership.



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Sector: Banking and Finance

Name: Patel Rahul Manishkumar

Role: Graduate Analyst

Mode of Offer: On-Campus

Recruitment Procedure:

1. Technical Round 1:

- Discussed my resume, course projects, PS2 and PS1 projects in detail. Asked a few related questions.
- Gave a design problem (sort of ATM machine with multiple transactions at a single time, many process can enter critical section at a single time) where I had to use the concepts of DBMS(which database would I use and why, ACID properties), OS(multi-threading process and deadlock avoidance related) and OOP(classes and the methods I would use to solve the problem using OOP concepts) all in one.
- Asked what data structures I knew(AVL trees), and how is my coding experience till date, asked me if I gave any contests on Codeforces or any other sites.
- Asked me the reason why I was not offered PPO at the PS2 station.
- 3 out of 12 cleared this round.

2. Technical Round 2:

Rapid fire theory type questions(just to check how fast you can solve, eg. Given prefix and postfix, find infix, given a code, what would be the output, you have to read the question analyze and type the answer as soon as possible, before the next question comes up)

- DSA questions related to arrays, linked-lists, trees, DP.
- 1 out of 3 cleared this round

3. Techno-Managerial Round:

Pretty chill, discussed my resume and projects again and asked behavioral HR type questions (What do you do when you're stuck with any problem, how is your experience working with team)



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4. HR:

Normal HR questions

I was the only one selected from Hyd campus.

Important CDCs and electives:

- OOP(Java and C++ both)
- DBMS(should know normal forms, transactions and be able to write queries, should know different types of databases and their applications- Relational and NoSql)
- one company because I was not good in CN)

Projects that helped:

You should be well-versed with whatever projects you mention on your resume.

Sources of preparation:

Interviewbit for coding

YouTube videos to revise other subjects

Other relevant information:

Topics/Skills essential:

Coding, thinking and logical reasoning, most of the times interviewers want the approach to the problem rather than the final answer.

Important Tips:

Do not panic in the rapid fire round, it's okay if you can answer only 2-3 questions. Many students lost confidence here and couldn't answer simple questions after this.

When did you start seriously preparing? How did you go about it?

I started from 5th of December 2020 and on 11th Jan 2021 I was placed, going through coding questions from interviewbit(At Least 2 questions from each bucket if you don't have time, else try all the questions).





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Sector: Banking and finance

Name: Amit Mishra

Role: Graduate Analyst(Technology)

Mode of Offer: On-Campus

Recruitment Procedure:

There were total 5 rounds(1 online test + 4 interview rounds):

1. Online Test:

3 questions on hackerearth. 2 DP questions(moderate) and 1 math question(easy). 15 were shortlisted for an interview.

2. Interview round 1 & 2(Technical):

1st round: was mostly resume grilling. Had to be very thorough with projects.

Basic questions on OOP(function overloading example with code) and sorting(writing the code for quick sort). Why DB? 10 made it to round 2 of technical.

2nd round: had more OOP questions with code, 1 question on string and 2 questions on linked list(moderate). 5 made it to the next round. Both the tech rounds were strictly 45mins.

3. Professional Fitness(ProFit) Round:

This is sort of an HR round. Resume based completely. I was asked about the business case for one of the projects I did. They want to see how many different things you've tried. What do you know about the company? Show your enthusiasm in learning different things. No rejections in this round.

4. HR Round:

How did you convince your prof in case you couldn't submit some assignment on time?

Mention a scenario when you took a decision proactively rather than reactively.

Why DB? Why a bank and not product based companies?

Important CDCs and Electives:



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DSA, OOP, OS, DBMS

Essential Skills/Topics:

DSA, OOP, In-depth knowledge of your projects

Sources of Preparation:

GFG, Interviewbit/LeetCode

Important Tips:

Be thorough with your projects and keep your DSA & OOP basics clear.



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Company Name : ICICI Lombard

Eligibility : BE - CS, ECE, EEE, ENI, Mechanical and Manufacturing

CGPA Cutoff : 6.5

Role : Technology Manager

CTC : 8 Lakh

Selects:5

Selection Rounds:3



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Sector: Banking and finance

Name: Mohammed Noman Razvi

Role: Technology Manager

Mode of Offer: On-Campus

Recruitment Procedure:

Online Test (basic DSA programming questions were asked).

Technical Interview

Sources and Preparation:

The important cds/electives for this job profile are DSA,DBMS and OOPS.

I started preparing for it after 6th semester.

Competitive coding is an essential skill required for selections. I practiced problems on codechef and GFG.



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Sector: Banking and finance

Name: Prajyot Kumar Garabadu

Role: Technology Manager

Mode of Offer: On-Campus

Recruitment Procedure:

Online round:

- MCQs and coding questions, MCQs were based on mental ability and CS fundamentals. There were 3 coding questions and difficulty was easy to average. You have completed within the limited time-frame.

Interview:

- 2 rounds: The first round was technical. They asked about my projects and CS fundamentals related to the projects. DSA wasn't asked. Second round was executive and HR combined. They asked about projects again, how I would fit into their company and other usual HR questions.

Sources and Preparation:

- I started preparing from my third year. I solved interview-bit questions for DSA and took up electives for CS fundamentals. I went through Geeksforgeeks for concepts and quick study.
- DSA, OOPS, DBMS are the important cds/electives.



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Sector: Banking and finance

Name: Pranav Anand P

Role: Data Science

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test:

Comprising 3-4 coding questions, and some basic questions on C programming.

2. Interview :

Round 1: Was asked about my projects related to data science. I explained about the assignments I did in data science courses (FoDS, ML, ASM etc.) and my learning outcomes from them.

Round 2: Was asked some basic questions on python programming.

Sources and Preparation:

The important cds/electives for this job profile are Machine Learning, Foundations of Data Science, Applied Statistical Methods.

Essential skills:

Python and C++ programming is an essential skill required for selections.

Projects that helped:

Course assignments done in courses such as ML, FoDS, ASM were very helpful.

Sources that helped in preparation :

Knowledge of on-campus courses.



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JPMORGAN CHASE & Co.

Company Name : JP Morgan Chase & Co.

Eligibility : BE and ME all

CGPA Cutoff : 7.5

Role : Quantitative Researcher

CTC : 31 Lakh

Selects:3

Selection Rounds:5



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Sector:Banking and finance

Name:Ishika Kumar

Role:Quantitative Researcher

Mode of Offer:On-campus

Recruitment Procedure:

1. Online test:

- 1.Part 1 had MCQ questions on Programming, Probability and Linear Algebra.
- 2.Part 2 had 2 coding questions regarding DSA.

2. Interview:

Round 1:Given a few DSA questions which needed to be coded.The questions required basic logic and .Was provided space and time complexity and was also required to improve the logic and mention its space and time complexity.

Round 2:OOP concepts were asked as well as puzzles on Probability and mathematical theorems were asked relevant to the projects done .

Round 3:Was asked a few HR questions and was asked to logically solve 4 DSA questions ranging from medium to hard level.

Round 4:.Was asked to solve one linear algebra proving problem and logically solve multiple DSA (easy to medium level) questions based on implementation, logic and string hashing

Round 5:HR round

Important CDCs and electives:

- 1.OOPS
- 2.DSA

Projects that helped:

I had projects in image processing that dealt with Bayes Theorem which was relevant in the interview. OOPs Project (as a part of the course) is also very beneficial.



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Sources of preparation:

- 1.Codeforces
- 2.Codechef
- 3.Leetcode
- 4.Geekforgeeks
- 5.Probability puzzle sites

Important tips:

While placements should be kept in mind, the main aim should be to learn as much as possible and enjoy the process of learning. Sometimes the pressure of placements can get overwhelming, but keep with good and motivational company of friends and family and do your best. Also do away with all distractions and cut down negative competition.



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Sector:Banking and finance

Name:Juhi Mittal

Role:Quantitative Researcher

Mode of Offer:On-campus

Recruitment Procedure:

1.Online Test :

1.There were two parts the first one had MCQ questions and the second one was majorly a coding round(two questions)).

2.The coding section had two questions to be done in 30 mins. For this section it is generally observed that one question is from Dynamic Programming and the other could be from Binary Search, stacks etc.

3.The MCQs were majorly from probability and statistics, output questions.

4.A good understanding of expectation in probability is required to solve these questions, and due to time constraints, it was essential to manage the time properly and pick the questions which you know can be solved quickly.

5.The results were announced in two days and there were 7 people shortlisted for the interviews.

2. Interview:

Had 5 rounds of interviews

Round 1: Resume based interview along with puzzles with logic based on probability and basic questions on econometrics.

Round 2: Coding based interview- The interviewer was mostly judging the thought process.

Round 3:Because of the Msc. Economics background , this round was again focussed on econometrics and probability concepts (for others it was based on OOP concepts and basic questions on Python).

Round 4: Entirely based on puzzles.



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HR round: Few basic HR Questions.

Important CDCs and Electives

1. Probability and Statistics
2. Econometrics
3. OOP

Projects that helped

I had taken up the project under Economics faculty on Stock Price Prediction using Sentiment Analysis. The first interviewer got really interested and we had a good discussion on this for like 10 mins.

Sources of preparation

1. LeetCode
2. InterviewBit
3. Revised basic DSA, OOP, OS and network concepts using class notes

Important Tips

Be confident and don't freak out in any of the rounds (wear that smile always). Even if you don't know something or you're not comfortable regarding some topic, just give it a try and you can politely tell the interviewer you would still like to try.



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Sector: Banking and finance

Name: Tulika Jha

Role: Quantitative Researcher

Mode of Offer: On-campus

Recruitment Procedure:

1. Online proctored test:

PART A: MCQs from Probability and Statistics, Permutation and Combination, Data Structures, Object Oriented Programming, puzzles, etc.

PART B: 2 programming questions, both from binary trees.

2. Interviews:

There were 4 technical interviews and an HR call. Programming questions were given in all of them, mostly from hash maps and arrays. One question was a direct implementation of the Quick Select algorithm. In one of the interviews I was asked to explain regression. Most interviewers posed plenty of Linear Algebra questions (mostly proof based questions from matrices) and puzzles.

When did you start seriously preparing:

I started programming related preparation about 2 months back. I mainly focused on medium and hard questions from GeeksforGeeks. For the mathematics part, I prepared for a day. Reading Linear Algebra textbook from M 2 up to chapter 3 (up to eigenvectors) should suffice.

Important CDCs and Electives:

Probability and Statistics, Maths 2, DSA.

Skills essential: Programming skills, ML , should be good at algebra.

Sources that helped in preparation:GeeksforGeeks, InterviewBit.

Important Tips:



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Go through commonly asked puzzles in interviews. Practicing medium difficulty questions from GeeksforGeeks would be helpful. Revise Linear Algebra upto and including Eigen vectors.



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BIO PHARMA



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An Overview

The Analytics domain had two companies recruiting in the Bio and pharma sector. These companies offered the roles of research assistants and analysts. Four students were selected. The placement interview mainly focused on knowledge of Core subjects like IMA, BioPharmaceutics, and PMQC, and on case studies. The students had to go through aptitude tests, case studies, and an HR interview. Laboratory skills, Communication skills, and Guesstimates are considered important.



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cetas

h e a l t h c a r e

Insights + intelligence = Impact

Company Name: Cetas Healthcare

Role: Associate Market Research Analyst,
Research Analyst

Selects: 2

Selection Rounds: 4



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Sector: Bio Pharma

Name: Chaiti Chatterjee (2016A5PS0728H)

Company: CETAS Healthcare

Role: Associate Market Research analyst

Mode of Offer: On-campus

Recruitment Procedure:

1. Resume shortlisting
2. Case Studies
3. Take Home Assignment
4. Telephonic interview round

When did you start seriously preparing? How did you go about it?

- Started 2-3 months prior
- Practiced case studies



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Sector: Bio Pharma

Name: Challawar Raghavendra Milind (2017AAPS0360H)

Company: CETAS Healthcare

Role: Research Analyst

Mode of Offer: On-campus

Recruitment Procedure:

- Written round (Case study)
- Video Interview round. Discussions on Projects, Internships, Case study of the first round.
- Audio Interview round: Discussions on CV, tested communication skills.

When did you start seriously preparing? How did you go about it?

- Started during the first month of the semester.
- Read up on case studies, Guesstimates
- Concentrated on resume building.

Important CDCs and Electives:

- Game theory

Topics/ Skills essential/ recommended for selection:

- Communication skills
- Case preparation
- Guesstimates



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Company Name: Credo Life Sciences
Eligibility : B Pharm, M Pharm, MEBiotech
Role: Regulatory Affairs, Analytical R&D
Selects: 2
Selection Rounds: 3



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Sector:Bio Pharma

Name: A.Venkat Sai(2017A5PS1180H)

Company: Credo Life Sciences Pvt.Ltd

Role: Regulatory Affairs

Mode of Offer:On-campus

Recruitment Procedure:

1. Resume shortlisting
2. HR Round:
 - Basic HR questions
3. Technical Round:
 - Proficiency on formulation development and related topics were assessed.

Important CDCs and Electives:

- Dispensing pharmacy
- IMA
- Process engineering
- Pharma formulation
- Biopharmaceutics
- PMQC

Topics/ Skills essential/ recommended for selection:

- Laboratory skills of Pharmaceutical formulation and Biopharmaceutics

Important Tips:

- Be thorough with each step involved in the development of any formulation and being familiarised with the types of polymers used will be helpful.



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Sector: Bio Pharma

Name: P.V Sarada Prasad(2017A5PS1179H)

Company: Credo Life Sciences Pvt.Ltd

Role: Analytical R&D

Mode of Offer: On-campus

Recruitment Procedure:

1. Technical Round:

- Few technical questions on IMA(subject) related to the role.

2. HR Round :

- Basic HR questions

When did you start seriously preparing? How did you go about it?

- I started preparing seriously in my 3-2 and I just brushed up my basic pharmacy knowledge

Important CDCs and Electives:

- IMA
- PMQC
- Forensic Pharmacy

Topics/ Skills essential/ recommended for selection:

- As it is core, just brushing up core subjects is enough

Projects that helped(if any):

- PS-1

Sources that helped in preparation:

- Online HR Preparation



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DOMAIN CONSULTING



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Birla Institute of Technology & Science, Pilani
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An Overview:

The CO Domain saw three companies coming for placements. 15 students were taken in total in the industry. There was an initial aptitude test followed by the technical and HR interview. The questions asked were mainly related to guesstimates and case studies.



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accelerize360
innovate. accelerate. achieve

Company Name: Accelerize 360

Eligibility: B.E All (Except CS)

CGPA Cut-Off: None

Role: Consultant

Selects: 5

Selection Rounds: 4



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Sector: Consulting

Name: Gurkirat Kaur Arneja(2017A1PS1026H)

Company: Accelerize 360

Role: Consultant

Mode of Offer:On-Campus

Recruitment Procedure:

1. Online Aptitude Test

- The test was judged on how accurate the answers are as well as how soon the test was submitted. The time limit was 1 hour but ideally could be completed within 30 minutes.
- Logical and Verbal Reasoning questions
- Around 60 candidates were shortlisted from the test

2. Group Discussion

- In groups of 5 candidates
- General topics
- Around 20 candidates shortlisted

3. On-Call Interview

- Discussion on the job profile, resume, and the previous group discussion round
- Around 7 shortlisted

4. Case Study Interview(Final Round)

- A presentation had to be made on a case study problem and was to be presented during the interview. Some HR questions were also asked.
- 5 candidates were finally selected.

When did you start seriously preparing? How did you go about it?

- I started preparing seriously 2 months before placements.
- I started doing online courses on SQL and Python to enhance my resume.



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- Started solving guesstimates and case studies from Case Interview Cracked YouTube videos and books.

Important CDCs and Electives:

- Supply Chain Management

Sources that helped in the preparation:

- For placement aptitude tests, the tests on the placement portal are more than enough.
- For Group Discussion, YouTube videos are helpful.



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Sector: Consulting

Name: Maitreyee Shrikant Talnikar(2017A2PS1063H)

Company: Accelerize 360

Role: Consultant

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online test

- Logical reasoning (pattern completion)
- English grammar
- The questions were extremely easy. You just had to be super fast.

2. Group discussion

- Groups of 6-7
- General topics (my topic - Entrepreneurship vs Employment)

3. Resume based interview

- Telephonic
- Details about internship work

4. Case study +HR interview

- Telephonic
- Case study presentation (they'll give you the problem statement beforehand)
- General HR questions

When did you start seriously preparing? How did you go about it?

- 1 month before placements.
- I went through most of the placement material for non tech (case interview books).
- I did practice a few cases with my friends but mostly it was self-study.

Topics/ Skills essential/ recommended for selection:

- Speaking skills (Group discussion filtered out most of the candidates)
- Be thorough with your resume



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Important Tips:

- Keep in mind that the company timings are from 7 pm to 3 am (it's a US-based company) and apply accordingly. We found out about the timings too late. (To apply according to the time zone of place in which the company is based in)



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Sector: Consulting

Name: Archana S(2016B4A80535H)

Company: Accelerize 360

Role: Consultant

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test:

- Around 40-60 logical and puzzle-based questions like complete the pattern etc.
- A lot of people were selected for the next round

2. Group Discussion:

- Groups of 6-7 people
- The topic was given on the spot, and there was a necessity to speak for and against the topic.
- Only a handful of people (1/2 max from each group) made it to the next round

3. Case Study and Interview

- We were given a case study in advance of a day, and we had to make a presentation and speak out the solution for 15-20 min(presentation round)
- The same interview was also an HR based interview which asked general questions like why this role etc.(HR based interview regarding the role offered)
- This interview was taken by one of the senior members of the company

When did you start seriously preparing? How did you go about it?

- Started preparing 1 month before placements
- Just went through the material given by PU for non-tech jobs

Topics/ Skills essential/ recommended for selection:

- Communication skills
- Presenting a clear and logical premise

Sources that helped in the preparation:

- The Case Study material released by the PU is an amazing source of preparation



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Important Tips:

- Be confident.
- Have your fundamentals of case solving on point and it should be easy enough!



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Company Name: Searce

Eligibility: BE(All),MSc(All),B Pharma

CGPA Cut-Off: 5

Role: Cloud Consultant

Selects: 5

Selection Rounds: 5



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Sector: Consulting

Name: Shreya Agarwal(2017A1PS0968H)

Company: Searce

Role: Cloud Consultant

Mode of Offer: On-Campus

Recruitment Procedure:

1. Resume Shortlisting
2. Interview
 - General problem solving
 - Aptitude
3. Technical Interview
 - Cloud Computing basic questions
 - Questions related to work experience/ internships
4. Interview (Non-Tech + HR)
 - Case Study to increase the retention of a grocery app
 - Situational questions
 - General HR Questions like why this company, where do you see yourself in 5 years
5. Group Discussion
 - In a group of 7-8 candidates,(the Interviewer was the CEO of the company)
 - Puzzles from GeeksForGeeks were complicated and given for discussion

When did you start seriously preparing? How did you go about it?

- Started in August.
- Started with the material given by PU and practiced guesstimates and case studies with friends.

Projects that helped(if any):

- I did 2 Web Development internships.

Sources that helped in the preparation:

- Puzzles and aptitude from websites like Geeksforgeeks.



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- Case Studies, Guesstimates from books like Case Interviews Cracked and Case in point

Important Tips:

- Confidence is the key. Just start with a cool mind and treat it like a general conversation.
- Don't get disheartened if you can't answer a few questions. The interviewer doesn't expect you to know everything correctly.
- Your approach might be very different from what they're expecting in the answer, but don't shy away from speaking your points. They might still like you for your out of the box thinking.

Sector:Consulting



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Name: Ankitha Sai Venkata(2017AAPS1235H)

Company: Searce

Role: Cloud Consultant

Mode of Offer: On-Campus

Recruitment Procedure:

1. Resume Shortlisting
2. Interview Round 1:
 - Screening round - They asked General Questions about hobbies, professional interests, etc
3. Interview Round 2:
 - This was on a case study and they asked about products in the market that I like and dislike and how I would change them.
4. Interview Round 3:
 - This was about my projects and professional interests
5. Interview Round 4:
 - Group interview with around 10 people where we were asked to solve logic puzzles individually and also work together to help each other out.

When did you start seriously preparing? How did you go about it?

- I started in the first week of September.
- I studied the framework to solve case studies from case interviews and watched Victor Cheng's case videos.

Important CDCs and Electives:

- International Business
- Strategic Management
- Marketing Research
- Human-Computer Interaction

Topics/ Skills essential/ recommended for selection:



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- Communication Skills
- Ability to work effectively in a team

Projects that helped(if any):

- I spoke about my International Business Course Project on the patent war between Apple and Samsung.
- They asked me to analyze their business from an international business perspective to figure out countries they could expand to.

Sources that helped in the preparation:

- Victor Cheng Youtube Playlist
- Case Interviews Cracked
- IIMA casebook
- GeekforGeeks logic puzzles

Important Tips:

- It's a very long interview process (the last round took 3 and a half hours) so it's important to make sure you're maintaining enthusiasm.
- At points, there were multiple one-on-one conversations going on in the same meet so it was important to keep working through the chaos.
- They seemed to be looking for good communication skills in the group round so make sure you're speaking up and also listening to what everyone else is saying.



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Sector: Consulting

Name: Yashas Chandra(2016B4AA0430H)

Company: Searce

Role: Cloud Consultant

Mode of Offer: On-Campus

Recruitment Procedure:

1. Resume Shortlisting:

- 46 people were shortlisted for further rounds.

2. HR Round:

- What are your strengths and weaknesses?
- Explain in brief about any 2 of your projects on your resume.
- Location preference
- What do you know about Cloud Technology?

3. Technical Round:

- Asked to explain any 1 of the projects on your resume.
- DSA conceptual questions.
- A puzzle that required knowledge of Arithmetic progressions.

4. Group Discussion:

- This was taken by the CEO of the company.
- It lasted between 1-3 hours depending on when you joined, as candidates were asked to join at different times.
- It was a brainstorming session, testing communication skills, teamwork, and problem solving skills.
- We were asked to solve extensions of common interview puzzles:
 1. Find the 5 fastest horses out of 25 horses when you can race 5 horses at a time. (Extended to rank all 25 of the horses from fastest to slowest)
 2. Find the highest floor from which an egg can be dropped with the least number of trials if there are 100 floors and 2 eggs. (Extended to include 3 eggs and 1000 floors)
- After the brainstorming session, we were asked to interview another one of the candidates and to analyze their responses.



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5.Tech Round:

- This was taken by the CTO of the company.
- The only thing that was asked was one tech project taken randomly out of my resume.
- He delved deep into the project I was asked to explain all the technologies and major concepts that were used.

When did you start seriously preparing? How did you go about it?

- July end.
- Started with doing problems on InterviewBit
- Solved a few case studies on my own.
- Also took a few Mock tests provided by PU.

Important CDCs and Electives:

- OOPS

Projects that helped(if any):

- I did a project on Blockchain technology which I was asked to elaborate on in both of the Tech rounds.

Sources that helped in the preparation:

- Puzzles on GeeksforGeeks

Important Tips:

- Puzzles were a major part of the entire interview process, so it would be worthwhile to go through a few of the commonly asked puzzles in interviews.





Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Sector: Consulting

Name: Rithvik Krishna Donnipadu (2017A3PS0540H)

Company: Searce

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Round 0:

- It was resume shortlisting.
- They selected 46 people for interviews, for 4 roles : Software Engineer, Cloud Engineer, Cloud Consultant, Business Technology Associate.

2. Round 1 :

- It was an HR cum resume round.
- They wanted to understand our skill set better, so that we could be further shortlisted into relevant roles.
 - What was the thing that you were recently frustrated about.
 - Why Searce?
 - What is your weakness?
 - Bit about projects on resume
 - Location preference

3. Round 2 :

- What are ML and AI? Difference and common stuff between the two. Give examples.
- What is cloud? What is IaaS, PaaS, SaaS?
- What can you bring to the table?
- Projects
- Software Engineer vs Cloud Engineer
- What is an API, give an example.

4. Round 3 :

- Projects.
- OOP concepts. Mostly basics.
- DSA concepts. Mostly basics.
- Cloud vs SDE again.



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- Different cloud service providers in the market?
5. Round 4 :
- Internship project in detail.
 - Merge two sorted arrays into a third array.
 - SQL basics. Asked me to explain whatever I know to him
-
- 1-50 numbers are randomly present. How will you sort? His answer was to just print the numbers in a loop, and store them in the same array in $O(n)$ complexity. It was a good idea.
6. Round 5 :
- This was both an interview as well as a Group discussion, and it was taken by the CEO.
 - Around 9 of us participated in it, and candidates kept joining in at different times. Few of the problems discussed were:
 - 25 horses problem with a twist. Find the ranking of all the horses
 - 2 eggs, 100 floors problem with a twist. Third egg included now.
 - What is your passion, what do you ultimately want to do in life?
 - We were asked to interview each other and gauge their personality.
 - Brainstorming for 1 and 2 with the others.
 - Asked for location and role preference
7. Round 6 (Next day):
- This was taken by the CTO.
 - Projects in detail.
 - He asked me about my oops project, about the APIs I used, the languages I used, the database(firebase), some technical concepts related to it and so on.
 - Asked me why only two months on this app. He wanted to make sure I properly understood what I did.
 - He also asked me about the HCI project. Asked me what HCI practices were.
 - I told him everything I did in the project, and that seemed to have answered his questions.





When did you start seriously preparing? How did you go about it?

- I started preparing for placements from May 2020. I had 3-4 months.
- This is how I prepared :
 1. DSA and Codeforces
 2. Interview Bit problems
 3. OOPS
 4. OS and DBMS.

Important CDCs and Electives:

- DSA, OOPs, OS, DBMS. You can do them from online sources, there's no compulsion to do the on campus courses.

Sources that helped in preparation:

- Geeks for geeks
- Interview bit
- Sanchit Jain videos for OS and DBMS

Important Tips:

- Communication is key.
- Be clear in what you're trying to convey.





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Hyderabad Campus

Sector: Consulting

Name: Aditya Chandrakar (2017AAPS0356H)

Company: Searce

Role: Cloud Operations Engineer

Mode of Campus: On-Campus

Recruitment Procedure:

1. Resume Shortlisting:

2. Interview:

- Mainly focused on my resume.
- The interviewer first asked the generic question "Tell me something about yourself"
- Then he asked me to describe one project of my choice from my resume in detail.

3. Technical interview:

- The interviewer started by asking the generic question again
- Then he asked me to explain a project, followed by some questions from DSA, and OOP.
- The questions were easy to moderate level.
- He also asked me a puzzle based on chess as it was mentioned as a hobby on my resume. The puzzle question was the n-queens problem.

4. Technical round:

- The interview started with the generic question
- Then proceeded towards becoming a discussion about cloud technology.
- He wanted to understand how much I knew about Cloud.
- He also asked me to describe whatever I knew about the company.

5. Group interview:

- Taken by the CEO.
- The CEO asked people to first interview each other, and then proceeded towards asking puzzles, increasing their complexity with each question.
- The initial puzzles were easy in level, and after increasing the complexity, the puzzles were really hard to solve.



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When did you start seriously preparing? How did you go about it?

- My preparation started at the end of May 2020.
- I started by going to InterviewBit, and understanding the concepts there first, and then proceeding to solving the variety of questions which were available there.
- If I got stuck in a question for a long time, I would refer to GeeksforGeeks.

Important CDCs and Electives:

- Data Structures and Algorithms
- Object Oriented Programming

Topics/ Skills essential/ recommended for selection:

- Data Structures
- Object Oriented Programming
- Cloud

Projects that helped(if any):

- The course project for OOP

Sources that helped in preparation:

- InterviewBit
- Geeksforgeeks

Important Tips:

- Completely understand your projects so that you can explain them perfectly and answer any related questions.
- Brush up the basics for OOP completely.
- Practice lots of coding questions from InterviewBit/Geeksforgeeks.
- Search for cloud applications and services provided on cloud along with who uses which type of services, specifically SaaS, PaaS, IaaS and DaaS, so that you can explain these.





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- Search for the company on Glassdoor to understand what the company does, and where it is based from.
- Prepare with some of the common puzzles from GeeksforGeeks.



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DOMAIN

ELECTRONICS



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An Overview

In total, 10 ET companies visited our campus during summer internship and placement drive. Out of these, there were 19(B.E.) selects. Generally an online test was conducted and followed by 2-3 rounds of interviews. Most of the companies had 2 technical rounds at least with some exceptions. The questions asked in the interview were mainly around Digital Design, Basic Electronics, Analog Devices, Comp Arch, ADVD, FPGA lab , Embedded systems etc. The selected candidates mentioned that they prepared from various sources like Class Notes, GATE Materials, GeeksForGeeks (For C Programming) and puzzles from various sources. Core projects were asked in detail if they were matching company profiles.



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Company Name: Cisco

Eligibility: B.E.All,B Pharm

CGPA Cut-Off:7

Roles: SoftwareEngineer - Network/
Embedded/Application Development

Selects: 5

Selection Rounds: 5

CTC:23,43,300 LPA



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Hyderabad Campus

Sector: ET

Name: Garvit Arora (2016B3A7PS0462H)

Company: Cisco

Role: Networks Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Written Round:

- 10 MCQ Questions - general aptitude, math and a few questions on OS and OOP.
 - Coding based questions, one on greedy method and other on dynamic programming.
- Quite a few shortlisted this round.

2. Technical Round:

- The interviewer asked a few questions asked on DSA, mainly Linked List and Graphs and asked to code on screen share and verified code.

3. Technical Round 2:

- The interviewer asked questions on Networks and OS
- He also asked me about my experience and projects in Networks.

4. Managerial Round:

- I was asked about why did I chose CS over Economics
- Questions were asked and discussions were made on formal projects done and my internship.

5. HR Round:

- Basic HR questions

When did you start seriously preparing? How did you go about it?

- I started preparing a month before the placement drive.
- I solved a lot of questions on leet code and covered my weaknesses everyday.
- Read through all important courses: DSA, OS, OOP, DBMS and some parts of Networks and make notes so that it is easy to revise before interviews.



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Important CDCs and Electives:

- Data Structures and Algorithms
- OS
- OOP
- DBMS

Topics/ Skills essential/ recommended for selection:

- Coding Skills,
- Communication, Presentation skills and Confidence

Projects that helped(if any):

- Networks project (because of profile)

Sources that helped in preparation:

- Leetcode
- GeeksForGeeks
- Youtube series

Important Tips:

- Focus on interview preparation as well apart from just the round 1 theory and coding.
- Presentation and confidence matters a lot as well.





Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Sector: ET

Name: Gumma Varun (2017A7TS0165H)

Company: Cisco

Role: Networks Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Coding and MCQ round:

- Had 3 coding questions and 10 MCQ on networks, DBS, C programming.
- GATE level MCQ questions.

2. Technical interview round:

- Questions of Graphs, Logic in CS and questions about my projects were asked.

3. Technical interview Round:

- Questions on Linked Lists and OS were asked.

4. Technical interview Round:

- Design questions on cache memory, TCP/UDP were asked.

5. HR Round:

- Basic HR questions.

When did you start seriously preparing? How did you go about it?

- I started preparing seriously from two days before.
- I had a good grip on Python and GATE level questions so it wasn't a problem.
- GeeksForGeeks is a great resource to learn from and I used it.

Important CDCs and Electives

- Computer Networks
- Operating Systems
- DSA
- Discrete Structures in Comp. Science.
- Logic in Comp Science, Computer Architecture.



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Topics/ Skills essential/ recommended for selection

- Good Communication skill
- thorough knowledge about OS, CN and CompArch

Projects that helped(if any)

- PS-1 project

Sources that helped in preparation

- GeeksForGeeks

Important Tips

- Read up possible problems on GFG, practice CN, OS and CompArch concepts and they were asked thoroughly.
- Be innovative as most questions require practical and new ideas.
- Concepts related to TCP/UDP are must to be known.
- Practice GATE level problems from GFG to get through the first coding and MCQ round.





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Sector: ET

Name: Mukundhan Jayaraman (2016B4A70355H)

Company: Cisco

Role: App Development

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online test:

- 20 mcqs
- 2 coding questions

2. Interview:

- First round Technical - (OS and DSA)

3. Second round technical:

- Resume based

4. Fourth round technical :

- Resume based

5. HR round

- (no one was eliminated in this round, merely a formality)

When did you start seriously preparing? How did you go about it?

- Prepared for CS Theory the day before.
- Started preparing for coding related questions from the start of placement season.

Important CDCs and Electives

- OS
- DSA
- Networks

Topics/ Skills essential/ recommended for selection

- OS and Networks

Sources that helped in preparation



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- Geeks for Geeks

Important Tips

- Voice your approach out loud
- Don't leave any question without an answer, at least try answering partially.



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Hyderabad Campus

Sector: ET

Name: Prakhar Goenka (2017A7PS1715H)

Company: Cisco

Role: SDE

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Round:

- 15 MCQ questions: Related to Networks and DBMS, with a couple related to Electronics and Reasoning. There was no negative marking.
- 2 coding questions: 1 of string manipulation (easy), 1 graph / dictionaries (moderate - hard). The only languages allowed were Java, Python and C.
- Around 160 candidates (BE + ME) from all 3 campuses were shortlisted after this round.

2. Online Interviews:

- 1 DSA round, 1 Managerial + Subjects round, 1 Projects + DSA round, and finally 1 HR.
- DSA round had a moderately easy question, which I was supposed to compile and run against their test cases.
- Main subject topics: Apart from basics of DBMS, OOPS and Networks, indexing in DBMS, and types of protocols in Computer Networks were asked.
- Project round: Basic questions related to my project were asked, along with a simple DSA question.

3. HR Round:

- The usual HR questions.

When did you start seriously preparing? How did you go about it?

- One month before the start of the season, after completing my SI.
- I practiced some questions on InterviewBit and LeetCode.
- For theory I referred to GeeksforGeeks, and textbooks.
- A few video tutorials on YT are also good, such as that of Gaurav Sen.



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Important CDCs and Electives:

- DSA
- DBMS
- Networks.
- OOP
- Software Engineering would be a bonus. (for this role)

Topics/ Skills essential/ recommended for selection:

- DSA, DBMS, Networks
- OOP in the order of the required proficiency (for this company / role)

Projects that helped(if any):

- Project done in SI
- Formal project done in college and those of subjects such as Software Engineering and OOP

Sources that helped in preparation:

- LeetCode(better than IB in my opinion)
- GFG
- System Design by Gaurav Sen(YT channel)

Important Tips :

- The interview questions tested the understanding of basic concepts of subjects(DSA included).
- Instead of trying to learn too many out of the world things, focus more on the basics, there is a lot of scope for interviewers to trouble you even there.





Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Sector: ET

Name: Sahejveer Singh (2017AAPS0359H)

Company: Cisco

Role: SDE

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online test

- Around 10-15 MCQs and 2 coding questions (Python/Java/C++).
- MCQs were from DSA, OOP, OS, Networks and DBMS.

2. Interview Round 1:

- In depth discussion of my internship project. Interviewer made sure I knew every aspect and understood the underlying concepts and asked me to explain many of them.
- Other questions included DSA (linked lists), basics of networks, and more technical questions related to my projects.

3. Interview Round 2

- Since I had mentioned OOP on my resume, I was asked two design questions, where I had to draw (rough) class diagrams to implement basic features for a social networking website and then a music streaming service.
- I was also asked a couple of HR questions about my own ideas on bringing about positive change in society.

4. Interview Round 3

- This was another technical round. I was asked some questions about my OOP project and the data structures that were used.
- I was asked the pros and cons of various data structures and given scenarios where I had to choose optimal structures.

5. Interview Round 4

- Basic HR round.
- I was asked if I had any plans for higher studies.



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When did you start seriously preparing? How did you go about it?

- 3-4 months before placements.

Important CDCs and Electives:

- OOP is very helpful, especially the course project.
- Courses like IR and AI also help put some mini projects on your resume.

Topics/ Skills essential/ recommended for selection:

- In decreasing order of importance: DSA | OOP | Networks (important for Cisco), OS | DBMS.

Projects that helped(if any):

- Internship project
- course projects from OOP, AI and IR.

Sources that helped in preparation:

- InterviewBit, LeetCode and GFG are all good for DSA and all three have lots of common questions.
- For OOP, OS, Networks and DBMS if you haven't taken the courses, be familiar with the basics either from course slides or gfg or tutorialspoint.

Important Tips :

- Networks (at least the basics) are important for Cisco.
- If you are asked something you really don't know, tell them you don't know/ haven't done the course, instead of trying to guess it randomly. Any good interviewer can see right through it and will appreciate it more if you were honest than if you waste their time trying to guess. For an OS question I didn't know, I said I wasn't able to take the course but planned to do it in the coming semester.
- The interviewer also asked some basic signals related questions considering my branch. Be thorough with everything on your resume and make sure you can explain in detail anything you mention in the interview.





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IONENERGY

Company - Ion Energy

Eligibility - A7,AA,A3,A8

Cgpa Cutoff- 0

Roles- Firmware engineer

Selects- 1

Rounds- 5

CTC-8,00,000 LPA



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Name: Hemanth S A S

ID No.: 2017AAPS0390H

Profile: Firmware Engineer

Recruitment Procedure:

The recruitment procedure for this company for me involved three rounds of interviews, which were preceded by an online test and an assignment round.

1. Written Round

- It was an online test with two sections, 15-20 MCQs and 5 questions in the second section.
- The question was from basic electronic circuits, Digital Design, Communication Systems, network programming, DSA,C, Computer Architecture and Embedded System

2. Assignment Round:

- A question with multiple sub-questions related to it was given and 12hrs time was given to come up with design ideas and pseudo-code.

3. Technical Interview - 1:

- The interview revolved around coding questions and I was asked to code in C (strings, pointers, etc).
- There were questions about Embedded system basics, communication protocols, the assignment, and my design implementations, etc.

4. Technical Interview - 2:

- This was taken by the Manager of the firmware team and it again involved coding in C and some questions about C (Embedded C).
- There were questions about Communication protocols, Embedded Systems.

5. HR Interview:

- This interview was taken by the Chief of Staff at Ion. It was a casual talk regarding my goals, ambitions, future plans, etc. It was a typical HR



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interview.

Important CDCs or electives:

- Digital Design, ADVD, Analog Electronics, Computer Architecture, Microprocessors and Microcontrollers, Communication Systems, Networks, Embedded Systems, DSA, C language (Embedded C)

Sources of Preparation:

- NPTEL Embedded systems was an online resource for core preparation apart from the CDCs.
- Leetcode, Geeksforgeeks, C language was referred for the questions related to coding; Placement unit's material for aptitude.

Other relevant information:

- I prepared from various sources like NPTEL, class slides, PU materials. I started coding for at least 4 hrs a day in September.
- Focusing more on basics and getting the concept right rather than learning formulae, etc. helps.
- Focusing on the Aptitude part while getting bored helped me relieve tension and concentrate on the technical section.
- Important concepts encountered during the interviews and tests were- Embedded Systems, C language, Comp Arch, microcontrollers are essential skills for a firmware role.
 - Questions on my FPGA projects, Computer Architecture, PS projects in electronics core were also asked.

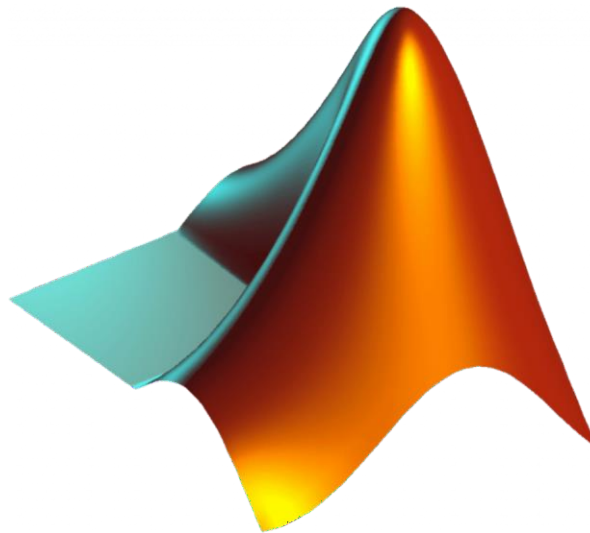
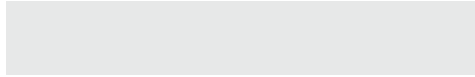


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Company- Mathworks

Eligibility -A7,AA,A3,A8,A4

Cgpa Cutoff- 7

Roles- Associate in Engineering Development

Selects- 2

Rounds- 5

CTC-17,50,000 LPA





Name: Anubhav Saurav

Id no .: 2017A7PS0135H

Job profile: Associate in Engineering Development Group

Semester Placed: Semester 1

Recruitment Procedure:

1. Written Round:

- 2 Coding questions, aptitude, questions on basic computer science, one section each on C, C++, one unit on Java or Python (choose the language you're comfortable with here).

2. Group Discussion:

- Conducted In groups of 8-10, everyone gets an uninterrupted minute to speak. Judged based on the points that were put forward by everyone.

3. Managerial Interview:

- It starts with an introduction, then a brief overview of the internship, and you'll be asked situational questions like how do you work in analyze team, what would you do if you had a dispute with a team leader or if someone had a disagreement when you were the team lead, how do you manage your time, perform under pressure, what would you do if your superiors gave you criticism, etc.

4. Tech Interview:

- It was like every other tech interview with a little bit of CS fundamentals and DSA. The interviewer will start with something fundamental initially and keep building on that and adding more complexity with every question.

5. HR Interview:

- Expect basic HR questions here. They will ask you about your location preference (this will be what they will consider at the end, not the one you give on your application), family background, questions on the EDG program, and MathWorks from the pre-placement talk.

When Did You Start Preparing Seriously? And How Did You Proceed?

A month before placements began (From July), I enrolled in an online placement training program from Demux academy. I would highly recommend it.

Important Cdc's And Electives:





Some of the critical courses:

- DSA
- OOP
- OS
- DBMS
- Software Engineering

Topics/ Skills Essential/ Recommended For Selection:

Proficiency in at least one of Java/Python will help. Having some experience with Scrum is a plus. I would also highly recommend completing the ISF341 - Software Engineering course

Projects that helped (if any)

Intern projects will be an essential factor. Also, the full-stack project I did as a part of the SE course helped me big time as it had everything from Software Development to Scrum to detailed documentation involved.

Sources that helped in the preparation

- Demuxacademy's resources
- Leetcode
- GeeksforGeeks

Important Tips

Start preparing at least a month and a half before placements start. Attend the interview and resume building talk by the PU without fail.





Name: Sahil Jain

Id No.: 2017A8PS0641H

Job Profile: Engineering Development Group

Recruitment Procedure:

There were two tracks- the engineering track and the CS track. I chose to go through the engineering track.

1. Online Test

- Basic programming language MCQs
- Basic OOP MCQs
- Basic signals and systems and control systems questions
- Two simple coding questions (e.g., given the coordinates of centers and radii of two circles, tell whether they are intersecting, concentric, disjoint, etc.)

2. Group Discussion

- Number of people for group discussion in five. The topic given was generic. Everyone had to speak turn by turn.

3. Technical Round

- The topic on which question was the most asked was pointers. Questions were also asked on the projects done.
- A few simple DIP questions (I mentioned that I knew the basics)

4. HR Round

- The questions asked were standard HR questions.

5. Managerial Round

- Standard HR questions, but the interviews are taken by a manager - engineering track and CS track. I chose to go through the engineering track.

Important CDCs And Electives:

- Signals and Systems
- Control Systems





Topics/ Skills Essential/ Recommended For Selection:

- Pointers
- Signals and Systems
- Control Systems





Qualcomm

Company Name-Qualcomm
Eligibility -AA,A3,A8
CGPA Cutoff-7.5
Roles-Associate HW Engineer
Selects-3
Selection Rounds-3
CTC-25,24,000 LPA





Name: Ankit Kumar Sahoo

ID No.: 2017AAPS0303H

Profile: Associate HW Engineer

Recruitment Procedure

The recruitment procedure for the Qualcomm Associate Hardware Engineer role involved three rounds of interviews, of which two were technical and one HR round.

1. Technical Round 1 (30-35 minutes)

2. Give a brief introduction about your academics and inclination.

- INTERVIEWER 1 (was keener on communications)

1. Why is there any need of modulation?
2. What are the different modulation schemes you know? Both in digital and analog domains.
3. Which one is better: AM or FM? Give reasons.
4. Why do we use digital modulation over analog modulation now-a-days?
5. What are the different parameters to compare between different digital modulation schemes?

- INTERVIEWER 2

1. Describe your Computer Architecture Project.
2. What are the different techniques to increase the performance of a RISC-V machine?
3. (The answer I gave: We can increase the pipeline stages or we can replicate the data path to apply the concept of static/dynamic multiple issue.)
4. What are the disadvantages of the proposed (my answer in the above question) architecture and explain why?
5. What are the parameters used to compare the performance characteristics of GTFET and other technologies? What were the Low power characteristics of the GTFET? And how would it improve the performance and power characteristics in a given chip?
6. Is 45nm the limit of the technology? Where is the current technology going forward?

3. Technical Interview 2 (45 minutes):

- Was asked about my computer architecture in detail.
- One of the questions: "There are 3 instruction, in the 2nd instruction if the Execution stage takes 3 clock cycles, then how would the Instruction flow in the pipeline look like? Explain it with a diagram and calculate the throughput."
- Write the Verilog Code for a 128 deep and 32 bits wide RAM. How would be its





hardware realization after the synthesis. (He also said that he didn't care about the syntax, He just wanted the complete code describing the specification he gave.

- What will be the simplest Hardware realization of a read only operation RAM? (Answer: A MUX with some memory cells, no need for a decoder.)
- What is a semaphore?
- What is a TLB, where is it used and what are its advantages?
- What are the different types of caches?
- Explain about interrupts, what is their physical significance?
- Explain about setup and hold time of a flip flop.
- What do you know about Qualcomm as a company?
- What are your future plans? Asked whether I wanted to directly wanted to go to industry or wanted to pursue higher education
- Asked if I had any questions that I felt asking him.

4. HR Interview (10 minutes):

- First, he introduced himself then he asked me to introduce myself.
- Then he told me about something he considered important.
- Asked me if I had any questions that I wanted to ask him.

Important CDCs or electives

ADVD, DD, CompArch, Communication Systems were the important CDCs

Sources of Preparation:

The following sources were helpful for my preparation for aptitude, coding and core:

- <http://web.mit.edu/6.111/www/f2005/tutprobs/fsms.html>
- <https://vlsi.pro/synchronous-asynchronous-reset/>
- <https://vlsiuniverse.blogspot.com/2017/04/synchronous-and-asynchronous-resets.html>
- <https://www.geeksforgeeks.org/c-language-2-gg/arrays-pointers-gg/>
- <https://www.geeksforgeeks.org/c-language-2-gg/string-gg/>
- <https://www.geeksforgeeks.org/c-language-2-gg/pointers-gg/>
- <https://www.indiabix.com/logical-reasoning/questions-and-answers/>
- <https://www.indiabix.com/aptitude/questions-and-answers/>
- <https://www.indiabix.com/electronics-and-communication-engineering/digital-electronics/>





- <https://questions.examside.com/past-years/gate/question/in-the-following-truth-table-v1-if-and-only-if-the-input-is-gate-cse-2013-marks-1-z0pz9x7sql3lcky.htm>
- <https://www.geeksforgeeks.org/digital-electronics-logic-design-tutorials/>
- <https://www.geeksforgeeks.org/output-of-a-program-set-1/?ref=lbp>
- <https://www.youtube.com/watch?v=CzKW2LvCOk4&list=PLfVsf4Bjg79CZ5kHTiQHcm-l2q8j06of>
- d&index=124

Other Video Lecture Series

- Digital Integrated Circuits (EE 141) By Jan M. Rabaey (Highly recommended)
- Razavi Electronics 1 and Electronics 2 (available on YouTube)

Other relevant information

- VERILOG and C. In Verilog you should know the H/W implications of each statement.
- Questions on my CompArch and formal projects were asked.
- Started preparing 5 months prior to the placement cycle and made a good time plan for the months (by keeping deadlines to complete topics). Took guidance from seniors on how to approach the topics and how to answer in interviews





Name: Mulukutla Venkata Aaditya

ID No.: 2017AAPS0123H

Profile: Associate HW Engineer

Recruitment Procedure

1. Online Test:

- Had 3 sections with objective type questions.
- Section 1 was aptitude
- Section 2 was based on C Programming (contained input/o)
- Section 3 we were given a choice to choose a domain (Software/Digital Electronics/Communications). I chose Digital, and here questions were mainly from Digital Design, Computer Architecture, OS, Verilog and Microprocessors

2. Technical Interview

- I had one technical interview with a panel of 2 interviewers.
- They have asked me about my projects and some basic questions from Digital design.
- They have also asked some open-ended questions involving Machine learning on Hardware, 5G Communication etc.

3. HR interview:

- This round was short and had few usual HR questions.

Important CDCs or electives:

- Digital Design, Computer Architecture, FPGA lab, Microprocessors & Interfacing, ADVD, Computer Programming

Sources of Preparation:

- Mostly Lectures and slides. For practicing DD questions, I would suggest to solve the mid-sem & compre question papers of previous semesters
- For C programming, Geeks for geeks is a really good source.
- For some topics like STA (which are not covered in courses), there are useful websites like vlsi- expert





Other relevant information:

- It is recommended to have a good grasp in the basics of Digital design, C language and Verilog. Few decent core projects are also recommended.
- One impactful project I had on my resume was the one I undertook as part of my summer internship at Shakti Processors team, RISE Labs, IIT Madras. Here, I worked with the open source RISC-V ISA which is gaining huge popularity these days.
- I had done projects in Verilog which helped enhance my RTL coding skills.
- Paying attention to courses is important, as all necessary concepts are taught there.
- It is important to build a strong resume by doing projects/internships, so that you stand out from other applicants. It might be tough to get core internships at companies by the end of 3rd year, but keep looking for other opportunities (Research at Universities/Open-source contributions)





Name: Rudresh Pratap Singh

ID No.: 2017AAPS0293H

Profile: HW Engineer

Recruitment Procedure

The recruitment procedure for this company had a written round, three technical interviews and two HR interviews.

Note: I gave the online round for software but got selected for the hardware role on the basis of my interview.

1. Written Round

- It is a 3-hour test with 60 questions from three sections – Aptitude (20), Basic C Programming(20) and the third section having choice among Hardware, Software and Communication. I chose Software and the questions were mostly from Microprocessors, Operating Systems and Computer Architecture.
- 4 BE students got shortlisted for software round and around 5-6 for hardware round.

2. Interview

Number of interview rounds were different for different candidates.

- Round 1 (Technical):
First half was resume based. In the second half He asked me some basic C programming questions and gave me a code to write.
- Round 2 (Technical):
Interviewer asked me to draw and describe the internal structure of the transmitter and receiver for a digital communication system. He also asked me questions related to communication systems. Just to name a few – Sampling Theorem, Pulse Code Modulation, Signal to Noise ratio, Constellation Diagram, etc.
- Round 3 (Technical):
This was more like a technical discussion than an interview. We discussed how to make a hardware architecture efficient in terms of power and time. Having a knowledge of Computer Architecture and Operating Systems helped me in this round.
- Round 4 (HR):
It was like an orientation as almost no questions were asked to me. The interviewer explained to me what my role would be if I got selected in Qualcomm. He asked me some general HR questions.
- Round 5 (HR):





This was just to confirm if I am willing to join or not and some more HR questions.

Important CDCs or electives:

- Computer Architecture (Really Important, proved so for me at least)
- Digital Design/Microprocessors
- Operating Systems (Gives you an edge over the others)
- Communication Systems (Qualcomm as a company is very much into communication, as you can tell from their name)





Company Name- Sedemac

Eligibility - B.E all

Cgpa Cutoff- 0

Roles- Engineer, R&D

Selects- 1

Selection Rounds- 4

CTC-12,10,000 LPA





Name: Shobhit Vijayvergiya

Job Profile: Mechanical Engineer

Recruitment Procedure:

1. Aptitude test

- Three sections were Verbal , LRDI, Quantitative. The Difficulty of the paper was Moderate. Sufficient Time was provided for the test.

2. Technical test

- Focused on very basic concepts of mechanics and EEE F111

3. The Technical Interview Round 1

- Some questions based on application and numerical of basic mechanics Concepts.
- Some questions based on the application of mathematical concepts, especially statistics

4. The Technical Interview Round 2

- Similar problems to the first round
- Some technical questions tailored around your resume.

Important Cdc's And Electives:

Mechatronics and Automation, EEE F111

Topics/ Skills Essential/ Recommended For Selection:

Aptitude and conceptual clarity

Sources That Helped In Preparation:

PU study material and test series

Important Tips:

Even if you are not sure of the answer, try to develop and discuss approaches with the interviewer.





Company Name- Signal Chip

Eligibility -A7,AA,A3,A8

Cgpa Cutoff- 7

Roles- Firmware Engineer, Digital Design Engineer

Selects-3

Rounds-4

CTC-11,00,000 LPA





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Name: Prashant reddy b

ID No.: 2017AAPS0274H

Role: Firmware Engineer

Recruitment Procedure:

1. Written Round (MCQ - based online test):

- 1 compulsory section (Aptitude) + 5 sections (Analog, Digital, C programming, Signal Processing) out of which 2 highest scoring sections will be considered
- Each section of 30 q
- Need to clear cutoff in all 3 sections for proceeding to the next round
- Further rounds & job profile considered for depend on the 2 highest scoring sections

2. Technical Interview Round 1: (considered for Firmware role):

- Resume based (led to some qs on compArch)
- a few questions on C (in my instance, dynamic memory alloc. & data structures)
- 1 or 2 questions on aptitude

3. Technical Interview Round 2:

- Coding-based round (asked to implement a queue and associated functions)

4. HR Interview:

- Final round with CEO (was more like an informal chat rather an interview)
- Talked on company's vision, mission
- Talked on plans for higher studies and employee retention

Important CDCs or Electives:

C programming, DD, FPGA Lab, CompArch, Verilog, Processor Design

Sources Of Preparation:

GeeksforGeeks, Lecture slides and standard textbooks for mentioned courses



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Other Tips For Preparation:

- Prepare well
- Structure resume well (Highlight areas of strength. Do not mention areas of weakness)
- Be calm. Interviewers are usually friendly. If a new term/concept is questioned upon, just admit that you haven't encountered it earlier and divert their attention to things you know.
- PS - 1 project (related to domain)



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Name- Prajwal Rajesh Devene

ID No.: 2017A3PS0407H

Role: Digital Design Engineer

Recruitment Procedure:

1. Written Exam

- It consisted of MCQs in 4 sections Analog, Digital, Signal processing, C programming
- We were shortlisted for a profile on the basis of the section where we scored the most. Initially, I was shortlisted for Analog profile, but I told them at the end of the interview that I would be more interested in the digital profile. So I gave an interview for basic Analog, and the next day I gave the digital profile.

2. The first round of Analog interview was a basic round with questions about CMOS, RC networks, Diodes, Op Amps (basically everything covered in courses Microelectronic Circuits and Analog Electronics).

3. The first round of digital interview was a basic round which consisted of questions about basic gates, truth tables, K-maps, multiplexer (design questions), FSM (finite state machines), state diagram, sequential circuits flip flops, Static Timing Analysis (setup, hold time violations, max clock frequency problems), CMOS based digital functions implementation (everything covered in courses Digital Design and digital part of ADVD) and at the end of interview aptitude based questions and puzzles were asked. Rope burning, liquid mixture, factorial were the topics I got questions from for the aptitude part.

4. The next round for digital design was with a senior member. He asked questions about my resume and the course project (Computer Architecture, Pipelined 4 stage processor) in depth. He then gave a design problem. He asked me to construct a digital circuit with gates and other elements to calculate the average of 1024 8-bit numbers which are available one after the other. The catch was that division by 1024 is the same as shifting by 10 places to the right. Later he asked about the synchronization issues that would arise. Later he kept on adding more specifications



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like he wanted to exclude the largest number, he wanted to exclude the smallest number, he wanted to exclude the 2 largest numbers from the sum used to calculate the average etc.

5. The final round was with the CEO of the company. He asks about your future plans and if you would continue with the company etc.

Important CDC's and Electives:

- Digital Design
- Microelectronic Circuits
- Analog and Digital VLSI Design (ADVD)
- Computer Architecture
- Other courses which might be helpful
- Digital Signal Processing (DSP)
- Operating Systems
- Signals and Systems

Important Topics:

Digital Design

- Combinational circuits (specifically multiplexers, ROM, PLA, PAL)
- Flip flops (interchanging and characteristic equations)
- State diagrams (reductions)
- Static Timing Analysis (setup time, hold time violations, max clock frequency calculations)
- Frequency dividers, counters, sequence detectors
- CMOS implementation of functions

Analog

- RC networks (for various input waveforms)
- Diodes with an RC circuit, clamping clipping



- MOSFET complete working
- CMOS inverter and amplifier
- BJT basic formulas (for the written test)
- Operational amplifier working

Signals

- Signal transformations
- Laplace, Fourier and Z-transforms
- Filters

Basic Verilog and C programming and knowledge of OS will be a good advantage Sources Of Preparation:

Books:

- Sedra Smith book of MEC
- Morris Mano book of Digital Design
- Rabaey for Digital
- Razavi for Analog

YouTube Channels (Search for topics and check playlist on following channels):

- NPTEL (lectures of IIT Madras)
- Onur Mutlu ETH Zurich
- MIT OpenCourseWare ElectroTuts

Course project of Computer Architecture. Mention the project only if you are fully confident about its working and can explain what each part does and why it exists

I started preparing seriously around mid-May (15-16th of May). I started by reading the course textbook Morris Mano (for DD) and Sedra Smith (for microelectronic circuits). After this I watched videos on YouTube (Razavi for Analog circuits, CMOS part mostly, didn't concentrate much on BJT). I saw many lecture series on YouTube from NPTEL (digital design), and Onur Mutlu ETH Zurich for computer architecture. Then I started to read about Computer Architecture and ADVD prescribed textbooks in the handout.

Other Tips For Preparation:

- Always try to know the basics and functions of devices (resistor capacitor diode, MOSFET, Op Amp, BJT), so that you can easily develop intuition to solve the problems.
- Think about the problems loudly and try to explain your approach as you are solving it. The interviewer will give you clues if he thinks you are diverting. Do not be afraid of asking questions, always ask questions and make sure before making assumptions and also state your assumptions.
- If you start your preparation at any time before the third semester midsems, try to read all the relevant chapters from Sedra Smith (line by line), it is a very good book and contains many explanations which we just assume in many questions
- Also, give your preferences, I was shortlisted for Analog role, but at the end of the interview I expressed interest in the digital profile and the interviewer said he will try to arrange an interview for that role. Do not be afraid to tell the interview of your choices but do so politely.





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Company Name-Silicon Labs

Eligibility -A7,AA,A3,A8

Cgpa Cutoff- 0

Roles-Application Engineer

Selects- 1

Selection Rounds-3

CTC-13,70,000 LPA



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Name: Prabhmeet Singh

ID No.: 2017AAPS0378H

Profile: Applications Engineer

Recruitment Procedure:

1. Resume Shortlist

- Make sure to mention all relevant projects and courses according to the JD given by the company.

2. Online Test

- The test had 3 sections, aptitude, core electronics and coding questions.
- Core electronics had questions from DD, MEC, Microprocessor and Interfacing, Communication Systems etc. All the questions were well in the range of the curriculum.
- Coding questions were simple and based on C/C++. There were MCQs as well as 2 questions in which you had to write code.

3. Interview

- There was a single interview round and both technical and HR questions were asked.
- Technical interview was based on Resume and topics like IOT, Communication Networks and other basic electronics.

Important CDC's and Electives:

DD, MEC, Communication Networks, DSP, IOT

Sources Of Preparation:

I had projects related to interfacing of RaspberryPi, Arduino and other IOT devices. These projects were discussed in detail in the interview. Examly, GATE questions from various sources, course slides/notes, InterviewBit. Practice core and apti MCQs extensively to improve speed.

Other Tips For Preparation:

Read about devices, embedded systems and IoT networks if possible.

I started preparing 1 week before the placement orientation, did GATE questions, practiced on test platforms given by PU (examly) and revised notes/slides.





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WCB ROBOTICS INC,

Company Name-WCB Robotics inc

Eligibility -All B.E

Cgpa Cutoff- 0

Roles-Associate Mechanical/Design Engineer

Selects-1

Selection Rounds-4

CTC-7,50,000 LPA



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Name: Devanshi Mathur

Job Profile: Mechanical Engineer

Recruitment procedure:

1. Stage 1: Resume Shortlist

- Requires personal projects in robotics. Research papers and core jects are assets. Any POR in core clubs also matters.

2. Stage 2: Technical interview

- Strong physics concepts, revise mechanics of solids conceptual questions. Solve physics puzzles related to friction, gravity, forces, centrifugal forces, vacuum etc. Questions based on friction, centrifugal force, stress-strain of MOS and KDM were asked.

3. Stage 3: Group discussion

- We were asked to suggest a design for rope climbers. Some basic group discussion techniques are required. We were also asked about conceptual physics questions of center of mass and balancing forces. Have strong physics concepts and intuition.

4. Stage 4: Project

- We were given two days to solve a problem they were facing in their robot. Depends on your researching and engineering skills. No preparation required as such.

Important CDCs and Electives

Mechanics of solids, mechatronics, physics, electrical, Kinematics and dynamics of machines

When did you start preparing?

A week before I started revising mechanics of solids and mechatronics.

What were some critical topics/skills essential for the process?

- Physics concepts such as mechanics of solids, friction, gravity, forces, centrifugal forces, COM vacuum, stress-strain of MOS and KDM are important.
- Some basic group discussion techniques are required.
- Researching and engineering skills.
- Communication skills





What kind of projects help?

- Machine learning project on genetic algorithms to optimize damage constants.
- Self projects related to robots and sensors.

Sources to prepare

- Class notes, slides of mechatronics, youtube





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Company Name- Xilinx
Eligibility - A7,A8,A3,A8
Cgpa Cutoff- 6
Roles- Design Engineer
Selects- 1
Selection Rounds- 3
CTC-20,00,000 LPA



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Name: Sriya Suri

ID No.: 2017AAPS0363H

Profile: Design Engineer

Recruitment Procedure:

1. Test (Online, MCQ type)

- Had two parts- first part was quant and logical reasoning, and second was hardware. Almost equal number of questions in both parts
- Hardware questions related to Digital Design, Analog Electronics, and some Digital Circuits.

2. Technical Interview

- Resume based questions
- Some technical questions related to Computer Architecture (I'm not sure if that was because the role was related to that, or because my PS and one project in my resume was about that)
- For the Comp Arch based questions, I was given few situations and asked how I would resolve them using either Verilog code or some flag etc

3. HR Interview:

- Was pretty general, nothing difficult

Important CDC's and Electives:

Computer Architecture, Digital Design, Analog Electronics, ADVD (I didn't do ADVD, but it helps to have that knowledge)

Sources Of Preparation:

Slides from DD and Comp Arch, and a few videos on YouTube to revise Digital Circuitry. I don't know if this helped, but I was asked to speak in detail about the formal project I pursued even though it was in a completely different field.

Other Tips Of Preparation:

Apart from being thorough in the fundamentals, be ready to face any question with a positive attitude and try to solve the problems even if you're not sure about how to process it. In my case, the interviewer did drop a few hints to help steer me in a particular direction. Keep cool no matter what, even though you might be super nervous, try to maintain a polite smile. Be confident in your knowledge and be thorough with every piece of information on





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your resume. I didn't have to do any specific prep for this role as my PS was also in a core company i.e. Intel, and my role at PS slightly coincided with that here. But I studied DD and Comp Arch for the interviews and tests. I revised all the slides 1-2 days before the test, and again before the interview. It also helped that I was thorough with the subjects when they were initially taught.



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An Overview

Around 26 companies recruited from BITS Hyderabad in the IT sector in the first semester placements of 2019-20. The number of rounds in interview processes varied from 3-5 rounds (including the online test round), out of which a majority of them concentrated on problem solving and DSA. A survey conducted amongst a selection of the IT students who got placed for during the Semester 1 cycle this year found that after DSA (which was asked by all the companies), the most tested concepts were OOP (61% of processes) and OS (~46%) followed by DBMS (45% - mainly ER diagrams and SQL queries), followed by Networks (26%). A lot of companies also asked questions on System Design, while very few companies asked logical puzzles and trick questions that used to be the rage in IT recruitments a few years ago. Almost no company coming for the IT sector tested applicants specifically on Data Science (AI/ML) skills, other than asking about these areas if a candidate mentioned it in their projects section of the resume. For practising DSA, most people agreed that almost any source is okay - InterviewBit and GeeksForGeeks appear to be popular choices though. For system design also, GeeksForGeeks, along with Gaurav Sen videos were recommended by a couple of the candidates we talked to. One thing that has repeatedly been seen over the years is repetition of common interview questions company-wise - it's therefore recommended that you go through these chronicles for a company in detail before applying. Other sources of interview questions, company-wise, would be GFG (again) and Glassdoor. As a general trend, most non-CS students who got placed in IT, use two sources for learning CS concepts: slides and materials of CS courses on campus (Disco, DSA, OOP) and quick revisions from online sources. When it comes to online certifications for subjects, most people agreed that having an online certification would not help much in interviews, beyond the knowledge you gain while doing the course, which would be tested in interviews.

When it comes to the resume: most companies did not ask about CGPA, beyond the initial cutoff for applying. While most companies did ask candidates about projects on their resumes, most of them asked just a couple of questions, and did not focus on them extensively- as stressed on before, for IT interviews DSA is key. However this varies a bit company-wise: Flipkart, for example, didn't ask most candidates even a single question about their projects, while in Atlassian, almost one whole round was dedicated towards this. While most companies allowed candidates to solve the DSA questions as pseudocode, some companies (like Oracle, CipherCloud and Aurigo) asked candidates to write sections of their answers during the interview rounds in Java, while other companies candidates choose between C++/Java





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alphonso

Insights

Company Name-Alphonso

Eligibility -A7,AA,A3,A8

Cgpa Cutoff-0

Roles-Technologist

Selects-2

Selection Rounds-2

CTC-37,00,000 LPA



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Name: Dhruvil Shah

Job Profile: Technologist

Recruitment procedure:

1. Online Test:

- 20 MCQs on DSA, DBMS, OS, Networks
- 4 to 5 Subjective Questions on Debugging a code, Optimizations to reduce server load etc...
- 4 coding questions - 2 easy, 2 medium

2. Interview:

- DSA Round: I was asked 3 questions and had to code the first two. Questions were easy, and a decent practice would suffice.
- CS Fundamentals Round: Questions from OS (mostly on Virtual Memory), Networks, DBMS (I was asked to create a schema for a scenario)
- They also asked about my internship project. And also asked few Questions from the online test.

3. HR Round:

- I was asked standard HR questions like tell me about your weakness etc.. Prepare standard HR questions beforehand. Prepare some company-specific questions.

Important CDCs and Electives

DSA, OS, Networks, DBMS, OOPS

When did you start preparing and how did you go about it?

- I started preparing after the online test result was out, and since there wasn't much time could only go through the last-minute notes of topics.
- I would strongly recommend revising the subjects before your placements start.

What were some critical topics/skills essential for the process?

DSA, CS subjects, System design





Sources to prepare

- Last-Minute Notes – GeeksForGeeks
- Top Interview Questions
- System Design Playlist - Gaurav Sen

Tips

- Prepare CS subjects well.
- Be Confident.
- Don't mention skills you are not comfortable with (In my case interviewer started the interview with questions from that skill).
- Do not get nervous in the interview, even if you don't know the answers. No one expects you to know everything; I faced many questions in the second interview that I didn't know the answer to. Be confident, and you will be surprised how things turn out



Name: Harshal Agarwal

Job Profile: Technologist

Recruitment Procedure

1. Online Round

- 3-4 Coding Questions of varied difficulty from easy to hard. Mcqs on CS fundamentals(DSA, OS, DBMS, Networks). They were very application based and required a good understanding of the topic.

2. Interviews (Total 3 Rounds)

- The 1st round was only DSA. 4 questions were asked. Only remember 2 of the questions, rest were also of similar difficulty.
- Number of BST subtrees in a given binary tree.
- Subarray with minimum XOR of all elements in the subarray.
- The 2nd round was on CS Fundamentals. He 1st asked me if I knew DBMS, to which I replied no. He said that's okay and then started asking questions about the OS. The whole interview of about 1-1.5 hrs was on OS. The question varied from standard OS questions like definitions, to more application-based questions. Was also given pseudocodes where I had to find what problems could happen and how I could handle it using OS concepts.
- The 3rd round was an HR round with the founder.

Important CDCs and electives

DSA, OS, OOPS

Sources to prepare

- Codeforces
- Interviewbit
- Leetcode
- GeeksForGeeks





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Tips

- For Alphonso, the Operating System is a very important topic, they thoroughly test you on that. Even if you don't know the answer, don't just say you don't know the answer, keep thinking and trying, the interviewers are generally very helpful and will give you hints and try to lead you in the right direction.



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Company Name- Amazon

Eligibility - A7,AA,A3,A8

Cgpa Cutoff- 0

Roles- SDE

Selects- 5

Selection Rounds- 4

CTC-31,97,000 LPA



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Name: Abhishek Roy

Id No.: 2017A3PS0358H

CGPA: 8.48

Job Profile: Sde

Semester Placed: Semester 2

Recruitment Procedure

1. Online Test:

- Consisted of rounds, a debugging round, an aptitude round which had Logical reasoning questions, a coding round with two DSA coding questions and a behavioral round with personality questions.
- Coding and debugging questions were easy and the main delimiter was the aptitude and behavioral round. 13 people were shortlisted

2. Technical Interviews: Two Technical rounds for everyone out of which some were shortlisted for a third round.

- Round 1: The technical rounds consisted purely of DSA questions which we had to code completely with proper syntax from I/O management to output along with writing proper functions in an amazon specific IDE (online interview. This was a placeholder for whiteboard coding). We had to tell our approach, discuss it, get it approved and code it out. I personally did three questions per round for the first two rounds. Questions were medium to easy in difficulty, with most questions being in the 'medium' category in Leetcode. I had to discuss the time complexity, space complexity of the various approaches. The interviewer often asked if optimizations were possible even though sometimes, they were not. In the end they all expected optimized clean code with proper variable names (I was warned about not using relevant variable names and proper indentation in my first question and I did not repeat that mistake).
- Round 2: The last interview was more of a managerial round. I had a major theoretical/coding medium- hard (leaning towards hard) DSA question in the beginning for fifteen minutes and the rest 45 minutes of the interview was spent on resume discussion extensively. It is advisable to finish that question as soon as possible because resume discussion was very forgiving in my case. The interviewer will want a detailed review of the challenges faced and the successes of the project, and will evaluate interviewees on Amazon's "Leadership Principles". It is advisable, also, to prepare a bunch of scenarios to go with the Leadership principles before the interview so that they can be





blurted out at a moment's notice.

When did you start seriously preparing? How did you go about it?

- Started preparing coding questions casually since 2-2 and seriously since 3-2.
- DSA Preparation was mainly from Leetcode and Interviewbit with documentation from GeeksForGeeks and official C++ sites. CP-Algorithms is a good site for Algorithms theoretically.

Important CDCs and Electives

Data Structures and Algorithms, Object Oriented Programming, Operating Systems (Audited)

Topics/ Skills essential/ recommended for selection

Mainly DSA. Interviewer did not ask anything else unless in the last round, and if they were relevant in the project discussion

Projects that helped (if any)

My PS2 project in Intel was the only main one I discussed in detail.

Sources that helped in preparation

Leetcode, InterviewBit, GeeksForGeeks, CP-Algorithms, Codeforces, Hackerearth (Codemonk series for initial Preparation)

Important Tips

- Try to keep your calm in the interview and be confident.
- Prepare scenarios you have faced that posed challenges beforehand for HR and managerial rounds, and stack up on common technical questions that can be asked. religiously prepare what is on your resume in terms of project and internship thrust areas, because interviewers are industry experts, they absolutely will catch you lying in case you are.
- Try to be sure about whatever you are talking about, it is always okay to say that you do not know about a topic. If you feel like a certain line of questioning will go poorly





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for you, do NOT lose cool and try to divert the conversation to topics you feel confident with. Doing that in a subtle way is completely fine



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Name: Vaibhav Yadav

Id No.: 2017A7ps107H

Cgpa: 8.9

Job Profile: SDE - I

Semester Placed: Semester 1

Recruitment Procedure

1. Online:

- 2 Coding questions, Multiple MCQ sections related to debugging, output, error detection, etc

2. Interview

- Round 1
2 Coding questions (one on tree, and other on array) - explain the approach, code them, and dry run of the code on test cases
- Round 2:
4 Coding questions (two on graphs [bfs, shortest path], one on array, and one on tree) - explain the approach, code them, and then dry run
- Round 3:
Some basic questions on OS concepts, OOP concepts and network concepts ,1 question on dfs on 2D array, 1 array search question - again explain, code, dry run
- Round 4:
 - i. Tree Traversal without recursion - explain, code, dry run Briefly explain the internship project.
 - ii. Explain Advance algorithms like Moore's Algorithm, Moore's Voting Algorithm, Segment Tree, Fenwick Tree, etc. - just explain them, and no need to code

When did you start seriously preparing? How did you go about it?

In summer vacation at the end of 3rd year.

Important CDCs and Electives

DSA, OOP, DBMS, OS, Computer Networking





Topics/ Skills essential/ recommended for selection

Practice DSA thoroughly, and have a good conceptual understanding of OOP, DBMS, OS, Network courses

Projects that helped (if any)

I was briefly asked to explain my internship project.

Sources that helped in the preparation

- Leetcode
- Interviewbit

Important Tips

Specifically, for amazon, practice Tree and graph questions thoroughly





Name: Abhishek Bhardwaj

ID NO.: 2017A7PS1497H

Role: SDE

Recruitment Procedure

1. Online:

- Online coding test 7 debugging questions (20 min) + 2 coding questions (70 min) + 24 aptitude MCQ (35 mins) + Workstyle and assessment (20 mins). Debugging questions are very easy and straightforward.
- You need to get both the codes and debugging questions right to be selected. Coding questions come from a pool of questions. My questions were: 2 pair sum(<https://leetcode.com/problems/two-sum/>) and find subtree(<https://leetcode.com/problems/subtree-of-another-tree/>).
- For other practice questions, you may follow [https://leetcode.com/discuss/interviewquestion/344650/Amazon-Online-Assessment- Questions](https://leetcode.com/discuss/interviewquestion/344650/Amazon-Online-Assessment-Questions)). This link comprises most of the questions asked (deep copy of a link list, search in a sorted 2D matrix).

2. Interview

For interview rounds most important topics are – DP, trees and graphs. Some questions on interval scheduling (number of rooms required for conducting a meeting), bitwise operators (find most significant bit, number of set bits) were also asked. You will be asked to write complete compilable and executable code and also to calculate space and time complexity for your code every time (you need to be very clear about this). You should also know time complexity for various data structures functions you use- searching, insertion and deletion in list, map, hash table, priority queue etc.

- Round 1 interview:
 1. formal introduction + 2 coding questions. (<https://www.interviewbit.com/problems/stepping-numbers/>) : was asked to calculate time complexity ($O(\log(n))$) and space complexity ($O(\log(n))$).
 2. Then I was asked to implement this function without the use of queue (answer was use recursion and perform dfs instead of using queue and doing bfs).
 3. Minimum number of squares whose sum equals to given number n (<https://www.geeksforgeeks.org/minimum-number-of-squares-whose-sum-equals-to-given-number-n/>) asked me to implement without DP (answer is basic backtracking) and then implement DP and asked me a few questions why to use DP (I explained by drawing the recursion tree).
- Round 2 interview:





1. formal introduction + 2 coding questions.
 2. 2 pair sums with the modification that now the number could be repeated (used map for this and had the implementation in $O(n \log(n))$).
 3. longest palindromic subsequence(<https://www.interviewbit.com/problems/longestpalindromic-subsequence/>). First asked me to code without using DP and then asked to implement using DP.
- Round 3 interview:
 1. formal introduction + 2 coding questions + some questions on oops, os, and dbms in the end.
 2. Find the word in the matrix (<https://www.interviewbit.com/problems/word-searchboard/>).
 3. Asked me to dry run this code and explain my approach and then asked me to code this. He asked me whether the time complexity will depend on the size of string or not (answer is yes, $O(n*m*\text{length of string})$).
 4. Ways to decode (<https://www.interviewbit.com/problems/ways-to-decode/>)
 5. He asked to code it using DP with recursion, DP with loops and then without using DP(this part is tricky. The DP formula used in $\text{arr}[i] = \text{arr}[i-1] + \text{arr}[i-2]$. So, without storing the complete array you can perform this task by using three variables only). He asked me time complexity for insertion, deletion and search in map, unordered_map, set, list, and priority queue), difference between abstract class and interface. Concept of paging, difference between process and thread, what is DNS, how will you find the highest set bit value (simple code using bitwise operator).
 - Round 4 interview: Technical + HR round
 1. N digit number with digit sums (<https://www.interviewbit.com/problems/n-digitnumbers-with-digit-sum-s/> <https://www.interviewbit.com/problems/n-digitnumbers-with-digit-sum-s-/>).
 2. He asked some technical questions on sharding, sql vs no sql, thrashing in OS.
 3. This was followed by HR questions (asked me about my projects, contribution to them, what I learnt, difficulties faced and the result achieved). Asked some situation based questions (typical STAR approach questions, answered with references to my projects). I would suggest reading Amazon principles for HR round (<https://www.amazon.jobs/en/principles>). The entire process mainly focuses on DSA part and very little on os, oops and DBMS.
 4. My HR round didn't go that well but I could answer all the coding questions because of which I was selected.





Sources that helped in preparation

- InterviewBits
- Contests on CodeForces
- GeeksForGeeks interview experiences





Name: Harshit Agarwal

Id No.: 2016B4AA0515H

CGPA: 6.14

Job Profile: SDE

Semester Placed: Semester 1

Recruitment Procedure

1. Online Round:

- Had 2 coding questions and aptitude questions. Coding questions were easy and standard. Aptitude questions were also easy.
- Coding questions were: -
- Given a matrix where all rows are sorted and all columns are sorted. check if an element is present in the matrix. (Brute force solution passed).
- Find all the bridges of a graph.

2. Interview:

- There were 4 rounds of interviews. None of the rounds had questions related to my resume.

3. Rounds 1 and 2 were only DSA. All my DSA questions were from LeetCode.

4. Round 3

- Had DSA and CS fundamentals. He asked questions on DBMS, which I said I did not know, then he moved onto OS and OOPS. I was asked to write full codes for all the questions and was also not allowed to use inbuilt stl like priority_queue and had to write the full implementation of the heap.

5 Round 4 had a few behavioural questions as well





- Few of the DSA questions were:
- <https://leetcode.com/problems/exclusive-time-of-functions/>
- Given an array of 10gb size and 1gb ram, how do you sort the array.
- There are N parking spots. A car enters, tell if the car can be parked or tell the min time it will have to wait.
- <https://leetcode.com/problems/reverse-nodes-in-k-group/>

Important CDCs and Electives

OOPS, OS

Topics/ Skills essential/ recommended for selection

OS, OOPS

Sources that helped in preparation

- Leetcode
- Interviewbit

Important Tips

All my coding questions for amazon were from Leetcode and in few of my other interview's questions were from Leetcode. So leetcode is very good source to practice coding questions.





Name: Tejas Radhakrishnan

ID NO.: 2017AAPS1736H

CGPA:8.48

Role: SDE

Semester Placed: Semester 1

Recruitment Procedure

1. Online Test:

- There was an online test with two sections, debugging and coding.
- The debugging questions were easy, most people who have some programming experience (like CS F111 level) will be able to ace it.
- I got two coding questions, both on linked lists. The questions were different for everyone. They were of the kind that you would find if you googled 'common linked list SDE test questions'.

2. Interviews:

I had 4 interviews in all, first two being entirely problem solving / coding based.

- Interview 1:
 1. The first question in the first interview was a common question, something about finding the maximum number of parking spaces required when they have given the entry and exit times of each vehicle into the parking lot.
 2. Second question was about the distance of all nodes from a particular node in trees.
- Interview 2:
 1. The first question was an array question,
<https://www.geeksforgeeks.org/count-subarrays-equal-number-1s-0s/>
 2. The second question was another question related to trees; I do not remember the details.
- Interview 3:
 1. This is where the interviews moved a bit away from problem solving.
 2. My interviewer asked a bunch of theories from Java, memory management and operating systems concepts. If you are from a Phoenix branch and have not taken OS, make sure you learn things because the 3rd interview is OS concept heavy for everyone.
 3. In the end the interviewer asked a question related to Dynamic Programming +





Graphs which I could not solve

(Side Note: This interview went ridiculously badly for me; I did not think I would get called for the 4th one. I have not taken OS and did not learn it on my own either, so all the OS questions that were asked I made something up and said. Would not recommend this to anyone.)

- Interview 4:
 1. This was the 'bar raiser' interview where they test your 'leadership principles' (Look it up). Prepare some stories which (subtly) highlight your leadership principles.
 2. Also, technical questions on decisions made in projects were asked, I was asked why I used a No SQL database instead of a relational one in one of my projects.
 3. Finally, a coding question was asked, something like, Three linked lists are sorted in ascending order, find the smallest range that has at least one element from each. I feel like I made up for the 3rd interview with this one.
 4. The leadership principles are super important. No HR questions whatsoever.

When did you start seriously preparing? How did you go about it?

Exactly May 31st. I followed this book called Cracking the Coding interview and it helped initially, to give a kind of structure to approach problems. I started practicing problems on InterviewBit but then moved to LeetCode

Important CDCs and Electives

I cannot really comment on this, I did not take any relevant courses from college.

Topics/ Skills essential/ recommended for selection

Problem solving skills are the deciding factor. Knowledge of data structures and algorithms, OS, OOPS and DBMS is important in that order.

Sources that helped in preparation

- CTCI
- Algorithms I and II
- LeetCode
- GeeksForGeeks
- Also, shoutout to /r/cscareerquestions, sometimes they are all right





Important Tips

- Momentum is most important. Once you start, do not stop.
- If you haven't taken DSA officially (like me), do an online course that has projects in it (I'd recommend Algorithms I and II on Coursera, it was free) so you can learn and put something on your resume. Learn the basics of OOPS, DBMS, and OS from anywhere.
- I started practicing problems on InterviewBit but then moved to LeetCode because honestly the InterviewBit editor is garbage and no one should use it, although the streak/points system helped in the beginning.
- Someone on /r/cscareerquestions said to me, "you're awake for 16 hours a day, if you spend 8 of them working towards this, it's enough and you'll still have 8 hours to do whatever you want." So that's what I did. 8 hours a day of practice, no days off. Okay, maybe some days off.
- Do only questions you find difficult. Don't pretend like you know the answer and let a question go without actually coding it and checking if it works. I did that a lot, I almost never actually knew the answer perfectly before that
- Having friends who are trying the same thing really helps a lot.





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Company Name- Atlassian

Eligibility - A7,AA,A3,A8

Cgpa Cutoff- 7

Roles-SDE

Selects- 3

Selection Rounds- 4

CTC-23,25,688 LPA



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Name: Koushik Swaminathan

Id No.: 2017A7PS0192H

Job Profile: SDE

Recruitment Procedure:

1. Round 1:

- The test was for 90 minutes and consisted of three questions ranging from easy to hard
- Q1. The first one was a fairly easy simple array traversal problem(50 marks)
- Q2. The second question was to find the number of ways you can form a string on size N, given an unlimited number of 0s and 1s. But you cannot have a D number of consecutive 0s and a T number of consecutive 1s. N, D, T were given as inputs(75 marks)
- Q3. There were a number of edges given as input. There were N nodes from 0 to N-1. Two nodes can have multiple edges between them with different weights. The question was to find out the maximal connected component such that all the edges in the connected component have the same weight(100 marks)

2. Round 2:

- Eight students were shortlisted after the online test. I'm guessing the cutoff was around 2.5 questions.
- This was a technical round. There were 2 panelists. The interview started off with me being asked to describe my favourite project. I was asked to follow up on questions based on that. I recommend you to be thorough with all your projects.
- I was then asked to give a pseudo code for the following question, but I gave a complete working code anyway.
- Root to leaf path sum equal to a given number
- I was then asked questions from OS and DBMS. (Processes, Threads, Deadlocks, Normalization, and Relational Model)

3. Round 3:

- Six students qualified for this round. This round was 10x harder than the previous one; technical round again.
- The interview started off with me explaining my favourite project again and follow-up questions on that.
- I was asked to explain another one of my projects and I had to come up with a scalable design for the same.





- I was then asked 2 DSA questions and had to code them both.
- Find the smallest window in a string containing all characters of another string
- Lexicographically next permutation in C+

4. Round 4

- Five students qualified for this round. I found this round to be the hardest among all the rounds. This was based on Atlassian's core values and the interviewers checked if you are culturally fit or not.
- Questions about conflict management and how you handle yourself under pressure were asked. Brownie points if you can include their core values and build up a story from that and explain how you portrayed that value.

When did you start seriously preparing? How did you go about it?

- I started preparing seriously in April. I did not get any internship for the summer, so I had the whole 4 months to prepare for placements.
- I didn't have any competitive coding experience, so don't worry if you think your batchmates are way ahead of you, you'll have plenty of time to prepare.
- I started off with InterviewBit. Once I was done with IB, I switched to Leetcode for practicing questions randomly. I found Leetcode to be better for Graphs and DP.
- Leetcode discussions and articles have a ton of information and I found them to be a nice place to read theory, tricks and patterns among problems.
- In the last few weeks, I watched Knowledge Gate videos on OS and DBMS. He covers all the topics needed for placements.
- I covered OOPS from GeeksforGeeks. For system design, I used "Grokking the System Design Interview", you can get the pdf online for free.

Important CDCs and Electives

- OOPS
- OS
- DBMS
- DSA
- Whatever electives that give you good projects to put on your resume (AI and IR in my case).

Topics/ Skills essential/ recommended for selection





Nothing specific to Atlassian, just the general topics asked in interviews.

Sources that helped in preparation

InterviewBit, LeetCode, Knowledge gate, Grokking the System Design Interview, GeeksforGeek

Important Tips:

- Do not put anything that you're unsure of and that includes subjects, projects and languages.
- Be thorough with the basics from all the subjects, people have been rejected for not knowing the definition of "Data Structure".
- never lie on your resume and if you do, make sure you can answer any question about it.
- Get your resume proof-read by multiple people.
- Try to stick with one platform at a time, you'd make no progress if you keep jumping around
- Do some basic research about the company and try to align your answers based on that.
- Try to attend a hackathon or two to fill up the space on your resume, as it's better to put up those projects instead of your typical OOPS and DBMS projects.
- It's okay to not get selected since everyone doesn't get placed on day 1. Make sure that it doesn't get into your head.
- Try to not look at the answer while solving a question, give it 30 minutes before you look at any hints.
- Practice coding in google docs as most of the time during your interviews, you'd be asked to do it on a text editor





Name: Kunal Verma

Id No.: 2017A7PS0120H

Job Profile: Software Engineer

Recruitment Procedure:

1. Online Coding Test

- Three Questions
- 2 hours
- Leetcode: Medium - Hard levels

2. Interview

- Project Based Discussion Round
- 1 hour long discussion on your projects, if you have a decent project on your resume. Otherwise, you might be asked generic CDC questions as well.
- Prepare your strongest project very well. They allow you to choose the project on your resume you want to discuss. My internship project was a strong point of discussion and they were happy with it.
- Be prepared for questions asking why you did something the way you did, or how would you improve something now.

3. Technical Interview

- Not everyone gets the same kind of technical round
- I got interviewed on all of my CDCs in depth. I was asked questions on DSA, OS, C++ (my strongest language), OOP, Networks and DBMS.
- Do not expect straightforward one word answer questions. Requires strong understanding and reasoning to relate concepts between CDCs. You should be able to communicate your thought process effectively when you do this.
- Strong knowledge of your best language is also required

4. Values Round

- They take this one very seriously.
- Go through the 5 Atlassian values on their website. Internalize them.
- Prepare answers using STAR for general HR questions and try to relate them to the Atlassian values.
- Probably won't be asked any of the questions you prepare for. Rely on the general presence of mind more than anything else.
- Be honest





When did you start seriously preparing? How did you go about it?

Didn't prepare much DSA since I had been doing CP for 3 years. Revised CS CDCs like OOP, OS, DBMS and Networks before placement season, and 1-2 days before the interviews as well. Skimmed through my projects a day before the interviews to be prepared for any question on them. Prepare for the values round one night before it.

Important CDCs and Electives

DSA, DAA, OOP, OS, Networks, DBMS

Topics/ Skills essential/ recommended for selection

Computer Science generalist

Projects that helped (if any):

My intern project where I wrote a high frequency trading server in C++.

Resources that helped in the preparation

- Lecture slides for CDCs
- CP experience in DSA.

Important Tips:

CP experience in DSA





Name: Niral Khambati

Id No.: 2017A7PS130H

Job Profile: Software Engineer

Recruitment Procedure:

1. Online Coding Round

- 3 coding questions, mostly leetcode medium/implementation based questions. I could do 2 of them fully
- Candidates with 2 or more solved questions were shortlisted

2. Technical Interview

- Questions about Projects mentioned in resume and OOP concepts

3. Technical Interview

- Questions about OS (in-depth) and a medium DSA question (implementing LRU)

4. Values Round:

- Interviewed by a technical PM
- Questions about resume and basic HR questions

When Did You Start Preparing Seriously? And How Did You Proceed ?

- Started in May with revising DSA through Princeton Algorithms 1 & 2.
- Started giving cf contests and reading Elements of Programming Interviews.
- For important topics like DP and Graphs, read TopCoder articles, watched tutorials as well as practiced famous questions.
- Started InterviewBit from July 1, questions from each bucket of each topic.

Important CDCs and Electives

- DSA, OOP, OS, SE
- Projects that helped (if any):
- Software Engineering course project helped a lot

Sources that helped in the preparation

- TopCoder articles
- InterviewBit
- HackerEarth notes





Important Tips:

- Have 1 strong subject apart from DSA (OOP, OS, DBMS).
- Ask clarifying questions in interviews.





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BNY MELLON

Company Name- BNY MELLON

Eligibility - All B.E

Cgpa Cutoff- 6

Roles- SDE

Selects- 2

Selection Rounds- 4

CTC-17,34,000 LPA



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Name: Sanivarapu Ganga Sai Vennela

Id No.: 2017A7PS0127H

Job Profile: SDE

Recruitment Procedure:

1. Online coding test

- We are asked 4 questions and who are able to solve 3 questions completely were shortlisted. Questions are not that tough, some of them are twisted form of the previous year questions and one of them is from graphs.

2. First interview round

- This happened on the hackerank platform. I was asked 2 questions and was asked to write working code for them. One of them was related to backtracking and the other one was related to arrays. Then a puzzle from the interview bit and some theory questions related to os and garbage collection. Puzzle - You are 2 blue pills and 2 red pills. You are blind and you will be able to survive only when you consume 1 red pill and 1 blue pill.
- How are you going to save yourself ?

3. Second interview round

- Again on the hackerrank platform. This round was related to oops concepts, i was given 3 incomplete codes and was asked to complete them which requires oops concepts. I was given the option to choose between C++ and Java. At the end a small discussion on resume and my extra curricular activities

4. Third interview round

- They called it an HR round but it was completely technical. First question was to tell me about yourself and followed by discussion on my projects. Later he asked me to speak out about whatever technical skills i have like java, data structures etc

Important CDCs and Elective

OOPS,OS,DSA

Topics/ Skills essential/ recommended for selection

OOPS, Coding, Logical Reasoning





Name: Gunda Sai Sruthi

Id No.: 2017AAPS0282H

Job Profile: Software Engineer

Recruitment Procedure:

1. Online coding test

- We were asked 4 coding questions in the online round, 1 for 50 points, 2 for 75 points and 1 for 100 points. The duration of test was 90 minutes. 18 students were shortlisted for the interview.

2. First interview round

- First, I was asked to explain the code I wrote in the online test. Then, I was asked some questions on DSA and OOP concepts. Then, I was asked 2 coding questions. This round lasted for about 75 minutes.

3. Second interview round

- It was based on Resume. I was asked to explain my projects. Then, I was asked some questions on my projects. I was asked questions on OOP and OS. Then I was asked to solve 2 coding questions. This round lasted for 1hr.

4. Third interview round

- This was a HR round and I was asked behavioral questions related to leadership and team management skills.

Important CDCs and Electives

OOPS, OS, DSA

Topics/ Skills essential/ recommended for selection

Writing clean and efficient code, DSA and OOP concepts

Sources that helped in preparation

GeeksForGeeks, Interviewbit, Leetcode

Projects that helped (if any):





Full-Stack Web Development, Linear Regression, Logistic Regression

IMPORTANT TIPS

Practise coding problems regularly. Be thorough with OOP concepts. Studying OS, DBMS and Computer Networks is a plus. Answer confidently in interviews.





Company Name- Celigo
Eligibility - A7,AA,A3,A8
Cgpa Cutoff- 6
Roles-SDE
Selects -2
Selection Rounds- 5
CTC-16,00,000 LPA





Name: Anurag Behera

ID No.: 2017A8PS0594H

Profile: SDE

Recruitment Procedure:

1. Coding Round

- 3 DSA Questions were asked

2. Technical Round 1

- The interview started with basic OOPS questions and then he moved to DSA questions.
- He gave me 3 questions one after another from Array, Strings, DP and Trees. Interviewer was giving clues in case I got stuck. The interview lasted for just about 2 hrs.

3. Technical Round 2

- This round was also technical and only DSA questions were asked this round (mainly backtracking). This round also lasted for 2 hrs.

4. Technical Round 3

- This round was taken by a senior member of the company and I was asked a system design question. The interviewer was very friendly and we deliberated on different approaches to solve the problem. This round lasted for around 30 mins.

5. HR Round

- I was asked generic HR questions (like what I want to do in future, Why Celigo?,....). The interviewer gave me a brief of the company and clarified my doubts.

When did you start preparing and how did you go about it?

I started my preparation during the summer. For preparation I used GFG, Leetcode and InterviewBit.





Important Cdcs And Electives:

None as such. Just have to be sure and confident about courses which you've mentioned in your technical proficiency section, For Example: Machine Learning etc.

Topics/ Skills Essential/ Recommended For Selection:

DSA

Sources That Helped In Preparation:

GFG, InterviewBit and LeetCode

Important Tips:

Focus heavily on DS





Name: Bayya Naga Rohan Kumar

ID No.: 2017A7PS0024H

Profile: SDE

Recruitment Procedure:

1. Online Round:

- Around 20 MCQS based on aptitude and cdcs. 2 coding questions of moderate difficulty (min queue and dynamic programming). solved both the questions. Around 25 students were shortlisted for interviews.

2. Technical-1:

- Few basic dsa questions based on dp and binary search. Ended with a brief on my internship projects.

3. Technical-2:

- Two DSA questions first of which is a modified rain water trapping problem. Second one was more of implementation based where he asked me to implement the nth degree connection feature on LinkedIn (optimised two sources bfs was required)

4. Manager Round :

- This round spanned roughly for over an hour starting off with few professional fitness questions. And one implementation based question where I was required to provide an approach for implementing notepad efficiently with suitable data structure. Discussion on this lasted for 45 mins odd and he was kind of assessing my thought process rather than expecting the right answer.

5. HR round :

- Typical hr round which consisted of scenario based questions.

Important Cdc's And Electives:

DSA, OOPA, DBMS, OS, CN, software engg and data science (in the decreasing order of importance imo).





Topics/ Skills essential/ recommended for selection:

Was tested mainly on data structures. So good problem solving and a fair bit of knowledge on various data structures was the key.

Projects that helped (if any):

Summer intern experience (front end and android dev), Full stack dev, machine learning projects and networks projects which required good knowledge on object oriented programming.

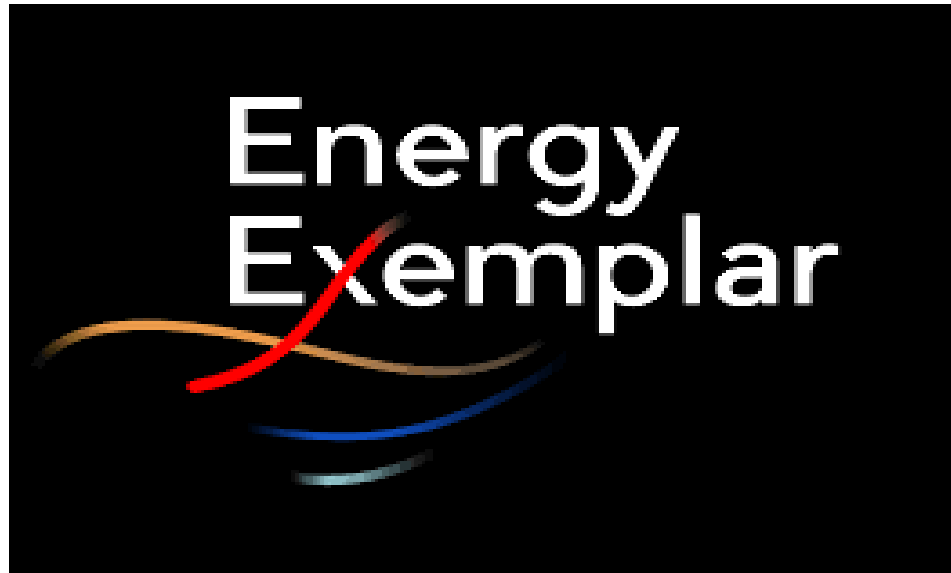
Sources that helped in preparation:

Codeforces, Gfg and interviewbit for dsa and problem solving. Javatpoint for oops. YouTube knowledgegate channel for dbs. Lecture slides for networks and os.

Important Tips:

Don't lose hope when you face rejection, instead analyse where you could





Company Name: Energy Exemplar

Eligibility: B.E. EEE, M.Sc

Physics/Mathematics, M.E Microelectronics

CGPA Cutoff: 0

Roles: Associate Market Research Analyst

Selects:2

Selection Rounds:5





Name: Animoy Sinha

Recruitment Procedure:

1. Written Round (Online):

- MCQs based on Machine Learning, basic coding and power systems (Since this role requires Electrical Engineering).
- Only a few were rejected for Round 2.

2. Technical Interview Round 1:

- In this round ML, linear algebra and calculus questions were asked with proper explanation.
- 9 people were shortlisted after this round.

3. Technical Interview Round 2:

- A lot of power system related questions were asked, not totally in-depth, but the knowledge of various concepts of Electrical Engineering is required.
- Only 2 were shortlisted after this round.

4. Technical Interview Round 3:

- Basic probability and statistics questions were asked.
- Both were selected

5. HR Interview:

- Basic HR questions were asked
- Basic resume hunting

When did you start seriously preparing? How did you go about it?

No kind of special preparation is required. Just brush up power systems before the online test and the interview.

Important CDCs and Electives

Power systems, ML

Topics/ Skills essential/ recommended for selection

Basics of coding, ML and fundamentals of Electrical Engineering





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Important Tips

Just be calm, the interviewers were very chill and nice. Read the Job description thoroughly. Brush up your basics corresponding to the topics in the JD and be confident while answering. That's it! All the best.



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Flipkart



subway



Company Name:Flipkart

Eligibility: B.E. CS/EEE/ ECE/ ENI

CGPA cutoff: 0

Roles: Software Development Engineer

Selects:4

Selection Rounds:4



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Name: Yaduraj Gupta

Recruitment Procedure

Coding Test:

3 Questions DSA:

- Given a Tree find the Maximum Sum of nodes in a level.
- Number of ways to make a number N using only perfect Squares with repetition allowed. Used recursion and Memoization to solve this.
 $O(N \cdot \sqrt{N})$ in time and $O(N)$ in space
- Given a Graph with weighted edges and two points Start and End and a number K
- Give the minimum cost path from Start to End where you can skip incurring the cost of K edges. (<https://codeforces.com/blog/entry/82270>)
- Used Modified Dijkstra to solve this but was not able to pass all test cases(12/14).

Interview Round 1(Tech):

Brief intro about me and Projects I had done. Was not asked any questions on this

- Product of Array other than self without division operator
(<https://www.geeksforgeeks.org/a-product-array-puzzle/>)
- Was asked for the code for this and then dry through a few test cases
- Given a BST and a sum find two nodes in the BST that add up to that sum.
- Gave an $O(N)$ in time and Space solution by doing inorder traversal of the tree and then used two pointers to find the pair. Was asked for the code for this and then dry run through a few test cases.
- Then I was asked if I can optimize the Space constrain to $O(1)$. For this, I was only expected to tell the approach and not the whole code. Have a forward and Backward iterative inorder traversal setup and then use the two-pointer method to get the Pair



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Interview Round 2(Tech):

- Graph Question :

Was a complicated Question on graphs using Chemical Equations. The interviewer only expected the approach, not the implementation. You were basically supposed to do a topological sort and then get the answer. I gave a very different approach (Reverse DFS) but the Interview seemed convinced with the and moved to the next Question

- Number of ways to make sum from denominations :

Given Denominations{3,5,10} find out the number of ways to make some number N from them

Gave the $O(N)$ space and Time soln using recursion and Memoization. I was then asked to implement it and then the code was tested against test cases. After this, he asked if this could be done in $O(1)$. I did not know how to do this so he gave me hints. Solve the Question for only 5,10 then introduce 3. This part was very collaborative and he kept on guiding me to the right soln. I only had to keep telling him what my thought process was. We were able to get to a partial soln at the end and he said that this was good enough for now.

Interview Round 3 (Hiring Manager):

Was asked to tell about my projects and asked questions about them. Choose the project that I was most confident in. Half of the interview was on this single project only. Was asked a DSA question to find LCA in N-array trees as it was loosely based on my project.

Then was asked some HR questions

What is your biggest Strength?

Have you had any conflicts and how did you resolve them?

How do you ask for advice from mentors?

How important is learning for Software Engineers?





When did you start seriously preparing? How did you go about it?

- I first prepared for Summer internships in 4-1. Then redid most topics in 5-1 during PS2.
- Did most of the Questions from the following lists on Leetcode
<https://leetcode.com/problemset/top-interview-questions/>
<https://leetcode.com/problemset/top-100-liked-questions/>
- Looked at Previous year Questions of Big companies on GFG Interview Experiences
- Gave Codeforces DIV2 & 3 On and Off during 5-1.

Important CDCs and Electives.

- Did OOPS and OS on Campus in Summer Term. Covered DBMS from GATE smashers youtube playlist. Was not asked any questions on this in Flipkart but other companies do ask from these subjects.

Topics/ Skills essential/ recommended for selection

- DSA is the most important skill for Flipkart.

Projects that helped (if any)

- Screenshot Capture and Masking of private information in Web pages.

Did this project for PS2.

Sources that helped in preparation

- Leetcode, Codeforces, GFG

Important Tips

- Practice DSA as much as possible for Flipkart. Focus more on DP and Graphs. Flipkart asks variants of very famous questions so hear the question out very carefully before giving the approach and keep on asking questions if you are stuck.
- Prepare for common HR question.





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Semester Placed

- Semester 2



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Name: Saksham Maheshwari

Recruitment Procedure:

1. Coding Round:

- 3 Questions were asked

2. Technical Round 1:

- Basic introduction and discussion on past projects.
- 2 Questions were asked Mainly DSA based

3. Technical Round 2:

- 2 Questions were asked Again mainly DSA based.

4. Hiring Manager Round:

- Resume Based Basic HR questions Discussion on projects and internships

Important CDCs and Elective Courses:

- DSA, OOP, and OS are required. As long as you study them, you're good to go, they are not mandatory to be taken at college, knowledge is enough.

When did you start seriously preparing? How did you go about it?

- Started preparations during my PS1.
- Started with the basics of DSA, then moved on to solving questions on GFG. Continued with InterviewBit as soon as I was done with the basics of DSA and a few regular questions.

What were some critical topics/skills essential for the process?

- Data Structures and Algorithms, Object Oriented Programming Concepts

Sources that helped in preparations:

- GeeksForGeeks, InterviewBit, Leetcode





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Important Tips

- Solve InterviewBit, it's more than enough for coding and technical rounds.

Semester Placed

- Semester 2



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Name: Nilesh Tiwari

Recruitment Procedure:

1. Coding Round:

- Standard online test on amcat platform. 3 problems 1 easy 1 medium 1 hard

2. Technical Round 1 (45 min):

- 2 Problems on dsa were asked, nothing from resume or cs related courses.

3. Technical Round 2 (45 min):

- 2 Problems on dsa were asked, nothing from resume or cs related courses. 45 mins

4. Hiring Manager Round:

- Asked about internship and project and few basic HR questions

Important CDCs and Elective Courses:

- OOPS, DBMS, Operating Systems

When did you start seriously preparing? How did you go about it?

- I started preparing during my 3rd year when companies were coming for interns.
- Solving problems on leetcode and interview experiences on gfg.
- For revision interviewbit.

What were some critical topics/skills essential for the process?

- Competitive coding skills



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What kind of projects did you work on that was helpful to your selection?

- projects during PS2 were enough

Sources that helped in preparations:

- [geeksforgeeks.org](https://www.geeksforgeeks.org/), leetcode.com, interviewbit.com,
<https://seanprashad.com/leetcode-patterns/>

Important Tips

- Start simple 3 4 problems a day and try to finish 200-300 problems on leetcode and gfg before revision

Semester Placed

- Semester 2



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Name: Parth Anand

Recruitment Procedure:

1. Coding Round(3 questions-90 minutes)

- Questions based on DP, Trees and Graphs

2. Technical Interview Round(45 minutes)

- 2 questions were asked, and topics were arrays(medium) and a variation on binary search(Minimum capacity of truck to transfer load within D days, given an array of weights(not Knapsack))

3. Technical Round(45 minutes)

- This time 3 questions were asked, so I had to solve them a bit quicker. Topics were Stack, Linked List and DP, (again Leetcode Medium level I'd say)
- For all interview rounds you were expected to give optimal solutions with complexity as well.

4. Hiring Manager(30 minutes)

- Discussions on my PS2 project, some HR questions as well.

Important CDCs and Elective Courses:

- DSA
- OOP
- OS
- DBMS
- Electives- Not specific, but could add a few electives(like IR, ML, DM) if you liked these courses and feel confident about answering questions on them.

When did you start seriously preparing? How did you go about it?

- October





What were some critical topics/skills essential for the process?

- Strong DSA concepts, emphasis on theoretical concepts in OS, DBMS and OOP.

What kind of projects did you work on that was helpful to your selection?

- Internship projects and mentioned a few projects done as part of course curriculum.

Sources that helped in preparations:

- Geeksforgeeks
- Interviewbit
- Leetcode

Important Tips

- Do prep OOP, DBMS and OS well, I wasn't asked about them in my interview but the pattern may change every year.
- A day or two can be spent on System Design as well. Some companies may ask that as well.
- For any company, I would strongly advise to check past year experiences(available on geeksforgeeks), and maintain a confident approach in your interview.

Semester Placed

- Semester 2





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Company Name:Jivox

Eligibility:CS and Phoenix

CGPA Cut-off: 6

Roles: Software Engineer

Selects:1

Selection Rounds:4



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Name: Rikil Gajarla

INTRODUCTION:

When did you start seriously preparing? How did you go about it?

I started approximately 2 weeks before the start of placement cycle by doing CC questions from leetcode and interviewbit. I also looked at system design videos from Gaurav Sen and a lot of videos from youtube for DSA.

What all sources did you refer to while preparing?

- Gaurav Sen youtube videos
- backtobackswe on youtube
- InterviewBit and Leetcode

Are there any specific courses(on-campus) which turned out to be a great help?

- DSA
- OOPS
- DBMS

What are the topics or skills that are essential or recommended for selection?

Problem-solving skills, Ability to write object-oriented code and SQL queries, Web development and communication

Did you have any prior projects or achievements that helped in the selection?

Web development projects could give you a better idea of REST and how to use APIs, and any other self-projects having OOP elements will surely help you out to easily ace the interviews.





APPLICATION:

What was the recruitment procedure like?

1. Online Round

- Online test on hackerrank (2hrs) containing DSA questions.

2. Technical Round

- Main focus of this round was DSA. Only a single question asked, not much focus on other areas.
- Focus more on DP problems.
- People who were able to solve it were advanced for the next round.

3. Technical Round

- This round was a non-DSA round where the main focus was on system design (minimal) and code approach.
- You will be first asked to explain your projects from the resume, then about the skills you have listed and where you have used them.
- As the role was about backend dev, he asked me some questions on APIs and REST.
- For system design, there were very basic questions and videos from Gaurav sen (youtube) will be more than sufficient.
- I was asked to write code for a very basic program. Here, the interviewer was looking at my code clarity and other good coding practices.

4. Technical Round

- Main focus was on how well are you able to write OOPS code and SQL queries.

Although round 3 and 4 are both technical rounds, they also had elements of HR round where the interviewer was testing few basic HR questions based on your interests, CGPA and also how well do you communicate.





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Any extra tips from your end?

Watch out for HR questions during interviews and also try asking questions related to the company/role at the end.



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L&T Infotech

Company Name:L&T Infotech

Eligibility: B.E. CS/EEE/ECE/ENI

CGPA Cut-off: 6

Roles: Software Engineer

Selects:2

Selection Rounds:3



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Name: Reetank Rastogi

INTRODUCTION:

What all sources did you refer to while preparing?

- GeeksforGeeks
- MyCodeSchool YouTube channel
- Material given by PU

What are the topics or skills that are essential or recommended for selection?

Good knowledge of Data Structures, OOPS, SQL(not compulsory)

Did you have any prior projects or achievements that helped in the selection?

Web development projects could give you a better idea of REST and how to use APIs, and any other self-projects having OOP elements will surely help you out to easily ace the interviews.

APPLICATION:

What was the recruitment procedure like?

1. Written Round (Online Test):

4 Sections were there:

- A. Coding Questions
- B. Reading and Speaking Skills
- C. Listening Skills - (MCQs based on a paragraph)
- D. Essay Writing - (Write an essay on the given topic)

2. Technical Interview:

DSA questions and some questions related to projects on my resume



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3. HR Interview:

Basic HR Questions.

Any extra tips from your end?

Be well familiar with at least 1 programming language. Knowledge of OOPS is a plus. Try to learn the basics of SQL.



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Company Name: O9 Solutions

Eligibility: B.E CSE and ECE

CGPA Cut-off: 0

Roles: Software Dev. Engineer

Selects:2

Selection Rounds:4



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Name: Doddapaneni Tanuja Kirthi

Recruitment Procedure:

Resume Shortlisting

- 22 students were shortlisted in all

Online Test

- 30 Aptitude, Technical Questions, and 10 SQL questions
- Total 8 students got shortlisted.

Technical Interview - 1

- Details about the projects mentioned in the resume.
- Some questions related to DevOps.

Technical Interview - 2

- Details about the projects and technical skills mentioned in the resume.
- Some coding questions about trees.

Important CDCs and Elective Courses:

- Software Engineering
- DSA
- Object Oriented Programming

When did you start seriously preparing? How did you go about it?

Started preparing from June End. Started by revising cs concepts from GeeksForGeeks and practiced coding questions on Interviewbit.

What were some critical topics/skills essential for the process?

DSA and DevOps

Sources that helped in preparations:

- Geeksforgeeks
- Interviewbit.



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Important Tips

Going through previous interview experiences on sites like Geeksforgeeks really helps.

Semester Placed

Semester 1



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Name: Raj Kashyap Mallala

Company: O9 Solutions

Role: DevOps Engineer

Recruitment Procedure:

Online test

- It was conducted on mettl platform
- It consisted of aptitude and SQL questions.

Technical Interview - 1

- Questions related to projects\
- Questions on Data Structures and Algorithms

Technical Interview - 1

As the role is DevOps, questions were on basic linux commands, on CI/C

Important CDCs and Elective Courses:

- OOPS
- DSA
- ML
- CN
- DBS
- OS

When did you start seriously preparing? How did you go about it?

- Started little preparation from 3-2 with OS, OOP and Java. Started dedicated preparation after 3-2 right from the vacation, prepared concepts of DiSCo, DSA and DBMS and started competitive programming around the same time.
- In vacation I spent about 14hrs and during PS-2 spent about 5hrs each day for preparation. Practiced CC in LeetCode and Hackerrank and solved almost all problems in InterviewBit.

What were some critical topics/skills essential for the process?

Java/JavaScript, OOP, basics of OS, DSA and DBMS

What kind of projects did you work on that was helpful to your selection?

- PS-2 project on Web Development - worked on a full-stack project.



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- OOP project also on web development, with completely different tech stack.
- Machine learning project on predicting state of heart.

Sources that helped in preparations:

- Interviewbit, book - "Cracking the coding interview",
- GeeksforGeeks

Important Tips

- Start preparing as early as possible, at least a semester in advance. Solve each and every question on Interviewbit.. this will give you confidence and tricks on how to approach a problem. If you aren't able to solve a question, don't just blindly go through the solutions but understand the approach.
- Be completely thorough with projects/internships put on your resume..
- For some companies going through recent interview experiences on glassdoor and gfg would help.

Semester Placed

Semester 1



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Company Name: Paypal

Eligibility: B.E All

CGPA Cut-off: 0

Roles: Software Dev. Engineer

Selects:1

Selection Rounds:4



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Name: Shreeya Bharat Nelekar

Recruitment Procedure:

Coding Test:

- The test consisted of two coding questions, one of medium difficulty and the other one being hard.
- The questions were based on Graphs & Trees and Dynamic Programming

Technical Interview - 1

- Completely based on DSA
- I was asked 3 questions, one was based on sorting and binary search while the other used DFS and one based on articulation point (Kosaraju Algorithm).
- I was asked to write the codes as well on an online platform (link was shared before Interview). After writing codes, I was asked to do a dry run and explain the code and check for edge cases and if I missed some edge cases.

Technical Interview - 2

- Initially I was asked to elaborate my Internship project at Microsoft. Then I was again asked a few DSA problems with code. Same as previous rounds. The first problem was building a stack using queues. The next question was Zig Zag tree traversal. Apart from these, I was asked one more dynamic programming question.
- I fumbled a bit on one of the questions, however the Interviewer helped me out. After that I was asked about some operating system questions (deadlocks, synchronisation).

Interview - 3

- This was HR cum resume round. It was conducted by one of the senior managers, he initially asked me what do you expect in this round?. To which I replied, technical questions.
- He then asked me about my internship experience and interests. Then I was asked about the PORs mentioned in my resume.
- Then I was asked a few behavioural questions like what would you do to provide all the resources to get out of the current Covid situation (as an engineer), why you want to work with us and similar questions.





- The Interviewer asked me whether I had already prepared for the round. I couldn't understand whether it was in a good sense or bad. Then as I had mentioned earlier that I thought it to be a technical round, the Interviewer asked me some CS fundamentals particularly OS, Computer networks (what is 3 way handshake, Why is TCP reliable and related questions) and OOP Concepts. After the interview the Interviewer seemed to be happy with my answers.

Important CDCs and Elective Courses:

- DSA (very Important, you can afford to be weak at any other course but not DSA!)
- OS
- Computer Networks
- Compilers
- OOP.
- Know what exactly you have learnt in your electives and CDCs

When did you start seriously preparing? How did you go about it?

- Actually I had summer internship till mid July and I was hoping for a PPO as there was a high probability of getting one. However I received a negative reply for the same on July 31st. So I actually started my placement preparation from August 1. The placement season had already begun. However during the summer vacation I was attempting some contests and problems on codeforces.
- As I had very few days left, I started with solving GFG archives of the companies (I solved only hard and medium problems) Then I solved problems on Leetcode again company specific. For CS fundamentals I actually just went through my notes and GFG archives.
- I actually rigorously prepared for 15-20 days (processes were taking place simultaneously).

What were some critical topics/skills essential for the process?

Again DSA (most essential - trees, graphs, DP, sorting), OOP, OS (deadlocks, synchronisation, monitors, producer consumer problem), Computer networks (network architecture layers, Network protocols, reliability, etc), Compilers





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Sources that helped in preparations:

- GFG
- Leetcode
- Codeforces

Important Tips

Practice DSA problems as much as you can. When you don't have much time , go for company specific archives. Be thorough with your resume. Ask for help from the Interviewer if you get stuck, don't give up.

Semester Placed

Semester 1



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PayU

Company Name: PayU

Eligibility: B.E. and M.E. CSE only

CGPA Cut-off: 6

Roles: SDE

Selects: 5

Selection Rounds: 4



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Name: Anish Dey

Recruitment Procedure:

Coding Test:

- It was hosted on HackerEarth and had 2 coding questions along with a set of MCQs from the important CDCs like OOPS, OS, Networks, DBMS.
- The coding questions were of moderate and hard difficulty. I actually don't remember the questions, but solving 1.5 questions would lead to a selection.

Technical Interview - 1

- This was a complete DSA round where I was asked 4 coding questions and I had to code them on a text editor link provided by them. The coding questions were:
 - Remove at most one character to form a lexicographically smallest string.
 - Perform a Diagonal traversal of a tree
 - Divide an array into 2 subsequences of an equal sum
 - Sort IP address
- Other than the 3rd one, I was able to solve all the 3 questions. In the first go so the interviewer helped me with the 3rd question. It took a lot of time so he only asked me to explain to him the logic and give the recursion formula rather than coding it.

Technical Interview - 2

- This round was also a technical round where I was one coding question along with a few puzzles. The coding question was:
 - Score of Parentheses:
<https://www.geeksforgeeks.org/score-of-parentheses-using-tree/>
- The puzzle questions asked were:
 - Measure 45 minutes using wires:
<https://www.geeksforgeeks.org/puzzle-1-how-to-measure-45-minutes-using-two-identical-wires/>
 - There are 12 men on an island. 11 weigh exactly the same amount, but one of them is slightly lighter or heavier. You must figure out which. The island has no escapes, but there is a see-saw. The exciting catch? You can only use it three times.





- 2 Eggs and 100 Floors:
<https://www.geeksforgeeks.org/puzzle-set-35-2-eggs-and-100-floors/>
- Know Average Salary without Disclosing Individual Salaries:
<https://www.geeksforgeeks.org/puzzle-26-know-average-salary-without-disclosing-individual-salaries/>
- I was able to solve the coding question quite fast because it was known to me and among the puzzles, I was able to solve 3 out of 4 with help from my interviewer.

Interview - 3

This round was held over a phone call and I was asked basic HR questions. You know the drill.

Important CDCs and Elective Courses:

- OOPS
- DBMS
- DSA
- OS
- Computer Networks.

When did you start seriously preparing? How did you go about it?

- Actually I had summer internship till mid July and I was hoping for a PPO as there was a high probability of getting one. However I received a negative reply for the same on July 31st. So I actually started my placement preparation from August 1. The placement season had already begun. However during the summer vacation I was attempting some contests and problems on codeforces.
- As I had very few days left, I started with solving GFG archives of the companies (I solved only hard and medium problems) Then I solved problems on Leetcode again company specific. For CS fundamentals I actually just went through my notes and GFG archives.
- I actually rigorously prepared for 15-20 days (processes were taking place simultaneously).

What were some critical topics/skills essential for the process?

Basically you need to be proficient in writing error free code of popular





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coding interview questions which portrays a good image of you in front of the interviewer. Other than that you should have a decent grasp of important concepts from your CDCs.

Sources that helped in preparations:

- Interviewbit
- Leetcode

Semester Placed

Semester 1



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Name: Harsh Pateria

Recruitment Procedure:

Coding Test:

The first round was an online test and consisted of 2-3 coding questions. If anyone has done enough practice, he/she can solve it.

Technical Interview - 1

I was asked two coding questions(one moderately easy and one medium) based on graphs and dynamic programming and some questions related to OOPS, OS, and DBMS.

Technical Interview - 2

Similar to the first round but the questions were of medium to hard level on leetcode. I was also asked questions related to my projects and previous internships.

Interview - 3

HR Interview over the phone - I was asked basic HR questions like the assessment of my strengths and weaknesses.

Important CDCs and Elective Courses:

- Object-Oriented Programming(OOPs)
- Database Management Systems(DBMS)
- Operating System(OS)
- Data Structures and Algorithms(DSA)
- Design and Analysis of Algorithms(DAA)

When did you start seriously preparing? How did you go about it?

- I started my preparation in June. I started with the important CDC's and coding.

What were some critical topics/skills essential for the process?

Data Structures and Algorithms. Problem Solving Skills





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Sources that helped in preparations:

- Geeks for Geeks
- Interview bit
- Leetcode

Projects that helped (if any)

Projects that you do in these courses (OOPS/DBMS) are more than enough.

Important Tips

- Having knowledge about the company and job role beforehand helps a lot.
- Keep calm in the interview and put forward a positive resume.
- Only mention those topics which you are comfortable with on your resume.
- Be thorough with your basics.

Semester Placed

Semester 1



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Name: SAARTHAK JAIN

Recruitment Procedure:

Online Round(Coding):

- Don't exactly remember the questions but it was a 1:15 hour test on hackerearth.

Interview Round 1(Technical):

- This round was based completely on DSA.
- Interviewer didn't ask me to write the code for every question, only pseudo code with proper explanations.
- For me it felt like a rapid fire round, the interviewer kept throwing questions at me, I explained the solution, and she kept on asking me more questions.
- The questions were mostly related to linked lists, strings, backtracking and implementation based questions.

Interview Round 2(Technical):

- In this round again I was asked 2 DSA questions.
- First question was string implementation based. The interviewer asked me all the approaches for the question $O(n^2)$ then , $O(n \log n)$ and then even $O(n)$.
- I had to write the code on google doc and then he would test run the code on some test cases.
- The second question was again a string based question, but instead of being a question it felt more like a discussion.
- He asked me what encoding technique can be used, Asked me to correct the shortcoming in my proposed technique, come up with a better technique and find its shortcomings and then again repeat.
- It felt like he wanted to hear my thinking process, how I would tackle a problem and try to come up with a solution.

HR round:

- Just a regular HR round, lasted for 10-15 minutes. Tell me about yourself, your family, your strengths and weaknesses, how you tackle them and previous internship experience. It was just a formality for me.





Important CDCs and Elective Courses:

DSA, OOPs, Operating Systems, DBMS , Software Engineering

When did you start seriously preparing? How did you go about it?

1. I had my summer internship till June End. So From July beginning I started preparing for placements again. But It was not a start from scratch.
2. I had already prepared for summer internships last year so I was familiar with coding. I just had to brush it up starting July.
3. So I started my preparation by solving questions on interviewbit and leetcode.
4. Also going through the course subjects either from the course slides or reading articles on GeeksforGeeks.

What were some critical topics/skills essential for the process?

- All topics related to DSA are important.
- Concepts of OS should be clear.
- Having some basic knowledge of System Design helps.
- Though System Design questions were not asked in PayU , but companies CAN ask such questions and it would be good if you have some previous knowledge of the same.
- Watching the system design playlist on Youtube by Gaurav Sen helps a lot in this.

What kind of projects did you work on that was helpful to your selection?

In PayU questions were not asked related to projects. But in other companies my internship project always raised the interest of the interviewer and questions were asked related to it.

Sources to help in preparations:

InterviewBit, Leetcode , GeeksforGeeks, Youtube videos by Tushar Roy and Gaurav Sen





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Name: SHISHIR AGRAWAL

Recruitment Procedure:

Online Round:

- 2 medium-hard questions
- Procedure: 2 technical rounds + 1 HR
- Round 1 (Technical)
- 2 medium questions were asked. Clean code was expected.
- Round 2 (Technical)
- 2 medium questions were asked. Followed by understanding on rest APIs and caching, followed by questions on Monolith vs Microservices architectural trade-offs.

HR Round:

- How are you doing?
- Do you have any other offers?
- Can you tell me about any projects you did on your own? Or you took the initiative of building a usable project?
- If you are running late for your assignment submission, what would you prefer? Asking for an extension to your manager? Or submitting partially completed work?

Important CDCs and Elective Courses:

DSA (Lab Sheets provided during course are very important)

When did you start seriously preparing? How did you go about it?

I have been doing competitive coding for quite some time. So, specifically didn't prepare for placements. Started leetcode in July. During placements, my count was around 200.



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What were some critical topics/skills essential for the process?

writing good understandable code for DSA problems

Sources to help in preparations:

1. <https://yogi-coder.blogspot.com/2020/12/dbms-os-oops-cn-most-frequent-questions.html>
2. Leetcode is the key, I gave around 30 interviews in placement season. All questions were from Leetcode (not a single one was outside).
3. Recommendation: Ideally, leetcode count should be around 300 with easy:medium:hard in ratio 2:3:1
4. Code at least one problem every day for around 30 days before placements. This will help in maintaining a flow. As many times there are dual processes, and you will be giving 6-8 rounds in a single day in dream week. So it's really important to have a good calibre to be able to perform in interviews happening in the later part of the day.



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Company Name:Phenom People

Eligibility:B.E All

CGPA Cut-off: 0

Roles: Product Development,Software Development

Selects:6

Selection Rounds:3



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Name:AYUSHI NIGAM

Recruitment Procedure:

Online Aptitude round:

- questions on Quantitative and logical reasoning as well as verbal ability
- One Algorithm question (Online)

Interview 1:

- asked a coding question,
- estimate of number of number of cars in bangalore, no of balls that can fit in a room,
- what did I learn recently, explain it, where do you see yourself at retirement?

Interview 2:

- Asked about heaps
- asked me to code it,
- how many buses in hyderabad, what would I do with a million dollars etc

When did you start seriously preparing? How did you go about it?

- 3rd year end.
- Used introduction to algorithms by clrs and practiced coding questions online



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Name:UTKARSH RASTOGI

Recruitment Procedure:

Online Test

- Online test had 3 Programming question.
- Most of the people were rejected in this round and around 20 students were selected for the next round.

interview round 1

- since the profile was It/SDE they were unable to take a lot of questions from my resume, but they did ask me to go over my resume and explain the projects that I had done.
- next, a simple programming question was asked, for me it was write a program to reverse string. We had to share our screen and write pseudo code for the given question, since some extra time was left in my interview, I was then asked to write a proper code and then execute it.
- after that, I was asked about what new things I am currently learning or new technology I am interested in.
- they also wanted to know of any leadership and Team work experience I had. most of the students cleared this round.

interview round 2

- interviewer goes through my resume and asked me to explain all the projects in detail.
- then I was asked to write pseudo code for slightly harder question compared to round 1. I was asked to find the kth smallest element in an unsorted array without sorting the array in an optimal way.
- next question was a guesstimate, I was asked to estimate the number of buses in hyderabad.

Important CDCs and Elective Courses:

C Programming, OOP, DSA

When did you start seriously preparing? How did you go about it?

I started preparing for It roles in may 2020. I learned basic c++, then OOP and then DSA



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What were some critical topics/skills essential for the process?

Topics: DSA

Skill: Good communication skills, ask the interviewer a bunch of questions and discuss the answers to show that you are interested in the company and the work they do.

What kind of projects did you work on that was helpful to your selection?

- PS1 project: automation of excel reports using VBA.
- Python Script for suspension simulation.
- Python/ROS based simulation of Terrain Following Manipulator.

Sources to help in preparations:

- GFG- for everything, Coursera - for DSA
- Programming Principles and Practices in C++ by Bjarne Stroustrup - for c++.



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Name- Vedant Khandal

Recruitment Procedure

First Round- Aptitude and behavioral questions along with an algorithmic question.

Second Round- Guesstimate and DSA

Third Round- DSA

When did you start seriously preparing? How did you go about it?

I started preparing from July 2020 and focused mainly on learning DSA from interviewbit. I found this particular website extremely helpful and will recommend it strongly.

Important CDCs and Electives

DSA, OOP should be the main focus with OS and DBMS

Projects that helped

Nothing in particular. Just an optional internship as a research consultant in worldquant.

Important Tips

I had very little time for preparation as my placements started just 20 days after I started coding, knew nothing about it as such but preparing from interviewbit and investing a decent amount of time helped me develop an aptitude in about 2 months. So if you have 2-3 months time for preparation then getting an IT placement is achievable even if you start from scratch.



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Name- Samriddha Khamrui

Company: Phenom People

Role- Product Development Engineer

Recruitment Procedure

1. Written round (consists of 2 rounds)

- Round 1-Online test consisting of about 30 MCQs on MAT
- Round 2-1 DSA question to be solved (pseudocode/code, no execution)

2. Interview

- Some questions asked based on DSA, algorithms, and more mental ability questions
- 1-2 guesstimate questions asked

When did you start seriously preparing? How did you go about it?

I started preparing since the placement season started.

Revision of OOPs, DBMS, SQL and practicing DSA questions from interviewbit is important.

Important CDCs and Electives and Skills

DSA, OOPS and Java Knowledge

Sources that helped in preparation

interviewbit , gfg ,leetcode

Important Tips

Browse through some guesstimate questions, just to have an idea of their method, a lot of companies have started asking these questions just to see how the candidate approaches a problem.



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Name- Surapaneni Zenith

Recruitment Procedure

1. Written round

- Three parts : MCQ's(aptitude), MCQ's(coding) and writing a code

2. Technical Interview

- A coding question on strings
- Three guesstimates

3. HR Interview

- A coding question on heaps(Nth largest number from an array)
- A guesstimate
- Few HR questions

Very less questions were based on the resume/projects.

When did you start seriously preparing? How did you go about it?

4-1, I first started learning the basics of c++, and then started practicing on INTERVIEW-BIT , though I didn't get placed initially I started solving the questions from the written rounds which helped me a lot.

Important CDCs and Electives

OOPS and OS

Important Skills

Heaps, Strings and array manipulations

Sources that helped in preparation

INTERVIEW BIT and Geeks for Geeks

Important Tips

Start preparing as early as possible, keep the theory part to minimum if you start late. Work on your communication skills.





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publicis sapient

Company Name: Publicis Sapient

Eligibility: BE CS, ECE, EEE, ENI, MSc Math.

CGPA Cut-off: 6.5

Roles: Associate Software Dev. Engineer

Selects: 4

Selection Rounds: 3



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Industry: IT

Name: Rhythm Jaiminy (2017A7PS0198H)

Company: Publicis Sapient

Role: Associate software development engineer(ASDE)

Mode of Offer: On-Campus

Recruitment Procedure:

- 1.First Round had an Online Test which had MCQ Type Questions and 2 Coding Questions.
- 2.Second Round had questions related to DSA,DBMS,OOPS and OS and the projects I had listed on my Resume and my role in those
3. Third Round was the HR round.

When did you start seriously preparing? How did you go about it?

I had started preparing the summer before the Placement Season.I had studied DSA from Interviewbit and studied important topics and solved commonly asked Interview questions for other subjects.

Important CDCs and Electives

- DSA
- DBMS
- OOPS
- OS
- Software Engineering (Gives an edge,not necessary)

Topics/ Skills essential/ recommended for selection

Communicating the projects listed in the resume in an efficient manner is very important.It really gives a good Impression.

Projects that helped (if any)

Software engineering project

Sources that helped in preparation



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- Interviewbit
- Geeksforgeeks



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Industry: IT

Name: Sarthak Gaur (2017A7PS0250H)

Company: Publicis Sapient

Role: Associate software development engineer(ASDE)

Mode of Offer: On-Campus

Recruitment Procedure:

1) Online test(Hackerrank) : The test was for 2 hours and 2 DSA questions were asked of moderate difficulty level and 10-12 students were shortlisted.

2)Tech round : Resume based questions were asked in the beginning on the projects and skills mentioned followed by an easy DSA question based on math and implementation.Few concepts of OOPS and DBMS were also tested with 1 SQLI query based question.Software Development was discussed as I did many projects in that domain.

3)Core Values: This round was majorly HR and managerial based and value based and situation based questions were asked to capture the response of the candidates.

When did you start seriously preparing? How did you go about it?

I started preparation in 3rd year during the SI drive by practicing questions on leetcode and interviewbit and also participating in online coding contests on codeforces and codechef.Getting a grip on DSA and knowledge of concepts of OOPS ,OS and DBMS is required in interviews and preparing for questions from resume suffices for the placement purpose.

Important CDCs and Electives

- DSA
- DBMS



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- OOPS
- OS
- Software Engineering
- Network Programming

Topics/ Skills essential/ recommended for selection

- DSA
- DBMS
- Software development

Projects that helped (if any)

- 1) Scrum Simulation : An application that simulates the real time scrum process of industry grade.
- 2) Campus Eats : An application developed for software engineering course similar to zomato to serve food outlets on campus.
- 3) An application similar to spotify made for course work.
- 4) Project worked on in summer internship at Pegasystems.

Sources that helped in preparation

Prepare well and give online rounds and interviews very calmly, giving attention to all the details and ask for clarification if needed. Think properly before beginning to answer the asked question.



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Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Kaushik Mellacheruvu(2017AAPS0368H)

Company:Publicis Sapient

Role: Associate software development engineer(ASDE)

Mode of Offer: On-Campus

Recruitment Procedure:

- Online coding test
- Online Technical Interview
- Online HR Interview

1. Online coding round:

2 questions in 90 min. Questions based on String divisibility and Binary numbers.

The catch here was that there were only 3 small test cases given for each question, hence you had to analyze the input limits and test the bigger test cases yourself.

13 students were shortlisted for the interviews.

2. Technical Interview:

Discussion on projects.

DSA questions, OOP concepts and applications, OS questions, DBMS concepts, SQL queries.

The catch in DSA questions was that the interviewer kept on modifying the given question every time you solve it.

3. HR Interview:

Light discussion on projects.

This round is mainly a cultural fit interview. Attending the company PPT will help you answer some questions easily.

There were two types of questions asked.



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One was the typical HR questions (strengths, weaknesses etc.)

The other was situational and managerial type of questions. (Very important)

Do read up about the company as well.

When did you start seriously preparing? How did you go about it?

- As a Phoenix student, I started preparing in my 3rd year (3-1 to be specific). Giving the tests for SI companies helped me know where I stand as far as DSA and coding are concerned and I could improve accordingly in those aspects. DBMS and OS concepts I prepared on my own at the end of 3-2 as I hadn't taken them up as electives.
- I gave contests on Codeforces and Leetcode regularly. I solved questions on InterviewBit as well as they had many archives that helped me judge the kind of questions that were expected. System Design is one more topic that I tried to learn and understand as some companies tend to ask questions. As the placement drive began, I used to go through the archives in geeks for geeks for the relevant companies.

Important CDCs and Electives

- DSA
- OOP
- OS

Topics/ Skills essential/ recommended for selection

- DSA,
- OOP
- DBMS
- OS

Projects that helped (if any)

The interviewer mainly asked about an ML project I had worked on and also an OOP project. Just be thorough about the projects you did as they will try to ask you the smallest of details.





Sources that helped in preparation

- Geeksforgeeks
- InterviewBit
- LeetCode
- Codeforces

Important Tips

Try to give as many contests as possible while preparing in Codeforces, LeetCode as it will give you an idea about the coding round environment and help you manage time efficiently.

Be thorough with everything on your resume as you can expect a lot of skills and project based questions.

In the technical interview, try to walk them through your procedure of problem solving as they may try to help you in case you are stuck.

Finally patience is a virtue, try to keep calm.





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Company Name: Udaan

Eligibility: B.E, M.E All

CGPA Cut-off: None

Roles: Software Development Engineer

Selects: 4

Selection Rounds: 4



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Hyderabad Campus

Industry: IT

Name: Smit Dharmeshkumar Sheth (2017A7PS1666H)

Company: Udaan

Role: Software Development Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Coding Round 1:

The round consisted of a single implementation based question hosted on HackerEarth to be solved using OOPS concepts and DSA skills.

We had to implement the functions of a given design case study in any language of our choice.

Students were judged based on the score they received from the test cases and their OOPS implementation for the given problem.

2. Online Coding Round 2:

In this round, we were given a design case study and had to implement the functionalities using a REST API framework.

3. Interview Round 1:

This round was completely focused on the projects we had done.

Questions were asked ranging from the top-level approach to deep implementation and design of the projects.

4. Interview Round 2:

Few case studies were given in this round and we had to give solutions on how would we solve it as a developer.

A few technical and non-technical questions were asked apart from this.

When did you start seriously preparing? How did you go about it?

I was preparing for DSA based questions from mid July. But for design based questions, I started my preparation just a few days before the online coding rounds.



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Important CDCs and Electives

- Software Engineering
- OOPS
- DSA
- DBMS
- ML(bonus)

Topics/ Skills essential/ recommended for selection

Problem Solving, Software Development, System Design, Any REST Framework

Projects that helped (if any)

All the software development projects helped a lot.

Sources that helped in preparation

- GFG
- LeetCode
- InterviewBit

Important Tips

Focus more on the OOPS concepts and the top-level design aspects.

Go through all your projects and have a good understanding of how everything works.

The design questions are really easy and implementation based, so even a basic knowledge of REST APIs will suffice.





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Industry: IT

Name: Sai Charan (2017A7PS0110H)

Company: Udaan

Role: Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test on Hackerrank

Not a DSA question but it is based on your OOPS concepts. You have to model classes and complete the functions asked

2. Online Test

We were sent a problem statement on our mail and we were given 1hr 30mins to submit. You have to develop APIs according to the problem statement. You can use any technology, I used node.js to develop REST APIs and mysql as database.

3. Interview

Product thinking. Given a few situations and asked our solutions. Not coding round just general thinking

4. Interview

Resume based. Asked questions about our projects.

When did you start seriously preparing? How did you go about it?

From March. Started solving questions on interviewbit and revised OOP, Databases, OS.

Important CDCs and Electives:

- OOP
- DSA
- Databases
- OS



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Topics/ Skills essential/ recommended for selection

Development

Projects that helped (if any)

I had experience in node.js which helped in my 2nd online test





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Industry: IT

Name: Naman Arora (2017A7PS0175H)

Company: Udaan

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test 1 (90 minutes)

Conducted on HackerEarth.

Only one question.

Related to Object-Oriented Design, similar to design questions on Leetcode.

2. Online Test 2 (90 minutes)

Design question where an application had to be implemented. Flight reservation system in my case.

No restriction on the framework, just had to implement the APIs.

Stuff like clean code and good data modeling was expected.

3. Interview 1

Asked about projects and internships.

Gave several problem statements and was asked how I would implement them.

Was judged on my product thinking.

4. Interview 2

Technical round with questions asked from stuff written in my resume.

The discussion was mostly about my projects and skills.

When did you start seriously preparing? How did you go about it?

Went through projects and skills that I had mentioned in my resume when I applied for the job.

Solved questions from Leetcode.

Important CDCs and Electives



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- Software Engineering
- OOP
- DSA
- DBMS
- Computer Networks

Topics/ Skills essential/ recommended for selection

Full-stack Dev, OOP, DSA, Databases

Projects that helped (if any)

I had developed a couple of full-stack web applications. The majority of questions were asked from them. Build and deploy projects that solve some kind of problem.

Sources that helped in preparation

- Leetcode
- OOP
- DSA
- Networks courses
- Projects

Important Tips

Actively develop projects with varied problem statements. Be sure of the tech you're using for your project.



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Company Name: Xebia

Eligibility: Open to all

CGPA Cut-off: 6

Roles: SDE Trainee

Selects: 1

Selection Rounds: 4



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Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Ashutosh Karaiya (2017A3PS0528H)

Company: Xebia

Role: SDE Trainee

Mode of Offer: On-Campus

Recruitment Procedure:

Round 1:

This round was based on questions based on your resume and a few questions from SQL and OOP concepts.

Round 2:

This round had 2 different interviewers depending upon who turns up against you, your experience may differ. My interview asked a few questions on resume, his motive was to analyze your approach towards your projects and to perceive your technical depth in your field of interest. No DSA questions were asked to me

Round 3: HR round, typical HR round.

Round 4: (Interaction with CEO) DON'T TAKE THIS LITELY. he asked me to " what tech stack will you use to design a product like amazon". Only motive was to analyze your technical consciousness. Be very thorough with your answers, give a fast paced answer. Give no loose ends, flaunt your knowledge as much as you can , but don't talk about anything you are not sure about. This round will last only around 5 mins, you own those 5 minutes, use them cautiously. total 3 people reached this round including all 3 campuses, only I was selected.

When did you start seriously preparing? How did you go about it?

March

Do leetcode, almost none of the interviewers will go out of top interview questions from leetcode.

Started giving codeforces contests to develop my algorithmic thinking.

for OOP, top OOP interview questions from edureka and journaldev will suffice,

for SQL(very imp. don't take this topic lightly) , interviewbit SQL cheatsheet.

OS (just know what semaphores are).



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I completed interviewbit thrice, and 300 most asked interview questions on leetcode.

Important CDCs and Electives

- DSA
- OOP
- OS

Topics/ Skills essential/ recommended for selection

SQL, DSA, OOP , OS. (order of importance)

Projects that helped (if any)

OOP project, and machine learning projects (had no significant positive impact)

Sources that helped in preparation

- interviewbit
- edureka
- journaldev
- leetcode

Important Tips

Do DSA thoroughly. don't take basic algos and OOP , OS, DBMS lightly. doesn't matter how good you are at DSA if you can't answer a basic question on OOP DBMS OS, you won't get selected.



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Company Name: Razorpay

Eligibility: ALL

CGPA Cut-off: None

Roles: SDE(Software Development Engineer)

Selects: 3

Selection Rounds: 4



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Industry: IT

Name: Piyush Mishra (2016B2AA0633H)

Company: Razorpay

Role: SDE

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Coding Round - 3 medium to difficult problems to be solved in 90 mins.

2. Interviews:

There were 3 rounds in total. All rounds were technical in nature.

Round 1(Problem Solving, 45 mins): 2 questions were asked. 1st one was an easy DP problem, 2nd was a medium level implementation problem. Basic questions on data structures.

Round 2(Problem Solving, 90 mins): Only 1 problem to be solved. Follow-up questions on the same problem were asked, testing how the code can be extended under constraint modifications and variations.

Round 3(CS Fundamentals and projects + Behavioural, ~120 mins): The interviewer was highly experienced. Discussions on virtually all different CS subjects, with particular emphasis on Networks and DBMS. Asked a lot of design questions on a backend web development project. A tough puzzle at the end.

When did you start seriously preparing? How did you go about it?

Started preparing in 3-1. I had done courses on OS and OOP. As part of Minor in Data Science, I did a course on IR, which ensured I had some good projects on my resume. For problem solving, I did problems from codeforces, and leetcode for interview specific preparation.



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Important CDCs and Electives

- Computer Networks
- DBMS
- OS

Topics/ Skills essential/ recommended for selection

Clean coding skills, Problem solving, Strong CS fundamentals.

Projects that helped (if any)

One backend web development project, which was very elaborate(right down to the implementation of forget password API.

Sources that helped in preparation

- MIT OCW
- Leetcode
- Codeforces
- Udemy for Projects

Important Tips

Improve your problem solving skills by regularly doing problems. If you have time, try participating in online coding contests. If not, try to do as many Leetcode/Interviewbit problems as you can. Focus on OS, DBMS, OOP, Networks.



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Hyderabad Campus

Industry: IT

Name: Sanand Dange (2017A7PS1685H)

Company: Razorpay

Role: SDE & SDET

Mode of Offer: On-Campus

Recruitment Procedure:

1. Coding Test
Mcq + 3 coding ques in 2 hrs
2. Technical interview
3. Technical interview
4. Functional Interview

When did you start seriously preparing? How did you go about it?

1 month before, leetcode + gfg+slide for cdc's

Important CDCs and Electives

- DSA
- Computer Networks
- OS

Topics/ Skills essential/ recommended for selection

Strong DSA, Complete Knowledge Of Projects

Projects that helped (if any)

Internship at Amazon

Sources that helped in preparation

- Leetcode
- Codeforces
- GFG



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Important Tips

1. Know your projects well.
2. Explain a complete solution, don't think that any step is easy to understand, explain it completely.
3. If you don't know a topic tell them.



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servicenow™

Company Name: ServiceNow

Eligibility: CS,EEE,EnI,ECE(B.E and M.E)

CGPA Cut-off: 6

Roles: Associate Software Engineer

Selects: 6

Selection Rounds: 4



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Hyderabad Campus

Industry: IT

Name: Anish Walia (2017A7PS0035H)

Company: ServiceNow

Role: Associate Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Round 1:

- It was an online exam, consisting of 15 MCQs and 1 coding question. MCQs were based on the basics of DSA, OOPs, DBMS, OS, C Fundamentals, and Java Fundamentals. The MCQs were easy but required high accuracy in order to clear this round.
- 25 students were shortlisted after this round.

2. Round 2 (Approx 1 hr):

- The interviewer began by asking to explain any one of my projects.
- Then he asked me to solve 2 questions on DSA.
- First was
<https://www.geeksforgeeks.org/segregate-0s-and-1s-in-an-array-by-traversing-array-once/>.
- The second was
<https://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/>.

3. Round 3 (Approx 1 hr):

- First I was asked to state the 3 pillars of OOPS and then was asked about polymorphism.
- Followed by
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock/>.



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- Then he asked me to design a parking lot system. Design patterns which I'll use and what classes I'll make were to be thoroughly explained.

4. Round 4 (Approx 1.5 hr):

- This was a managerial round (Technical + HR).
- He asked me to explain function overloading and overriding with writing some example codes. Then he asked about synchronization and moved to DSA.
-
- He asked about various ways to represent a binary tree and then asked me to code an efficient implementation of a binary tree. Then he told me to write a code for traversing the tree and if a prime number is found in any node, remove it and replace it with the larger child's value and do this recursively.
- After that question, he asked me to design a database for a website that will consist of different websites listed and a user will come and rate the websites. Also, there would be a discussion thread that would follow a rating.
- Overall, the interviewers were really nice. They made me really comfortable and were positive throughout the interview. They also kept giving some hints in between.

When did you start seriously preparing? How did you go about it?

- I started in July, cause I had a Summer Internship earlier. But I would recommend starting at least 3-4 months early. Start as early as possible or else at least start by April. There will be majorly two things, DSA and CS Fundamentals. For DSA I prepared from GFG and InterviewBit, there's a course on GFG names 'must do coding questions.....', which I completely did, and then did questions on InterviewBit. Focus more on quality than quantity in DSA. For CS Fundamentals anything is fine between your notes or online notes. I prepared this from summary notes on GFG. Apart from





that, I read various blogs with top interview questions on OOPS, top 50/100 questions on database and so on. For CS Fundamentals you need to be very well versed with OOPS, and decent enough with dbms, os, cn, and other cs courses

Important CDCs and Electives

- None as such. Just be sure and confident about courses which youve mentioned in your technical proficiency section for example machine learning, etc.

Topics/ Skills essential/ recommended for selection

- DSA, Low level designing (design patterns/uml), Interpersonal skills(imp for all interviews).

Projects that helped (if any)

- None as such.

Sources that helped in preparation

- GFG
- InterviewBit

Important Tips

- Specifically for ServiceNow, I've observed that a designing question is generally asked and many students are not able to work on it. So for that, study basic design patterns like singleton, factory, .. very basic ones and practice designing classes for some sample problems like parking lot system, course registration system, etc with UML class diagrams.





Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Akshat Jain(2017A7PS0205H)

Company:ServiceNow

Role: Associate Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Round 1:

- There was one coding question, and a few objective type questions based on CS fundamentals. It was a medium difficulty question, so regular practice would help in solving the coding questions. A thorough revision of CS fundamentals and solving some frequently asked questions is sufficient for preparation.

2. Round 2 (3 Technical Interviews):

- The technical interviews dealt mainly with DSA. System design, OOP and DBMS were also discussed.

3. Round 3 (HR interview):

- The HR interview was a basic one, with the interaction focused on the reason for choosing the company.

When did you start seriously preparing? How did you go about it?

Important CDCs and Electives

- DSA, OOPS, DBMS

Topics/ Skills essential/ recommended for selection

- DSA, CS fundamentals



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Projects that helped (if any)

- None as such.

Sources that helped in preparation

- GFG
- InterviewBit
- LeetCode

Important Tips

- Make sure you build a good resume and highlight your strengths properly, because the interviewer will discuss your resume and it is important to have strong talking points about the things mentioned.
- Practice a lot of DSA questions. Start from the basics, and time yourself later. Don't stay stuck on a particular topic for a long time, use the hints and start from scratch if you are not able to solve a question. This helps to get used to solving questions in an interview.
- Most importantly, stay calm during the preparation and don't compare yourself with others to an extent that your preparation is affected. Be positive and patient throughout the process.





Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Neal Aniruddh Menon(2017A7PS1219H)

Company: ServiceNow

Role: IT

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Round 1:

- 15 MCQ and one leetcode easy coding.

2. Round 2 (3 Technical Interviews):

- Resume Projects and some more DSA type problems.

3. Round 3 (HR interview):

- More DSA problems with the Director.

When did you start seriously preparing? How did you go about it?

- Started while prepping for SIs. Just a few leetcode problems every day for a few months. Thoroughly understand projects on your resume and read up about system design.

Important CDCs and Electives

- DSA, OOPS

Topics/ Skills essential/ recommended for selection

- Thinking on your feet, clear communication

Projects that helped (if any)

- OOPS project, SI project.

Sources that helped in preparation

- GFG



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- LeetCode

Important Tips

- Speak slowly and confidently and remember that they are there to help you.



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Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Snehit Reddy(2017A7PS0868H)

Company:ServiceNow

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online coding round

- 2 DSA questions
- 10 MCQs on OOP/Debugging/Output
- Those who solved all cleared this round

2. Four interviews

- Resume based
- DSA questions
- Design related problems
- HR round

When did you start seriously preparing? How did you go about it?

Started preparing one month prior. Revised OOPS concepts and practiced competitive coding questions

Important CDCs and Electives

OOPS, DSA

Topics/ Skills essential/ recommended for selection

- Software Development Experience

Projects that helped (if any)

- None as such.



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Sources that helped in preparation

- Codeforces
- Leetcode



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Industry: IT

Name: Surya Sidhartha Sornapudi(2017A7PS0200H)

Company:ServiceNow

Role: Associate Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

Round 1: Online MCQ questions testing CS subject knowledge and 1 easy-medium level coding question. All test cases have to be cleared to qualify for the interviews.

- **Round 2:** The interview questions/style totally depends on the interviewer. I was asked to write pseudocode for 5 basic coding questions(binary search implementation, reversing a linked list, etc.) while my friends were asked some questions on CS subjects.
- **Round 3:** Again, the interview experience depends on the interviewer. Mine was resume based and my interviewer asked me to introduce myself and a couple of projects which I have done. He was interested mainly about the technical details of the projects and also tested my knowledge about the latest technologies in the market.
- **Round 4:** It was supposed to be a HR round, but the interviewer has asked me a question testing my OOP concepts, a coding question and a couple of puzzles.
- **Round 5:** This round was conducted only to the final selected candidates and was not an evaluative round. We were just asked to introduce ourselves and they announced that we were selected in this round.



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When did you start seriously preparing? How did you go about it?

I was just a beginner to coding when the summer internship drive was happening and I couldn't manage to bag one with my coding skills (I was just new to C++, I used to code in C). I have seriously started preparing during the summer after 3-2, starting from the basics of C++ to Dynamic Programming and other concepts, listing all my learnings and saving important things at one place for reviewing later.

Important CDCs and Electives

- DSA, OOP, DBMS, OS, Computer Networks (sometimes), Software Engineering (elective)

Topics/ Skills essential/ recommended for selection

- Coding in C++/Java, System Design

Projects that helped (if any)

- All my projects were mostly projects from my CDCs. I have explored and tried 1 or 2 projects from GitHub by my own interest.

Sources that helped in preparation

- Interviewbit
- Leetcode
- Geeksforgeeks mainly

Important Tips

Preparation is better with a group. Make a list of all your learnings together topic wise. Give yourselves targets for the day/week. Make a clear list of topics /concepts to be covered and keep reviewing important concepts often till you are confident about it. Dynamic programming and Graphs need special attention and are difficult to master (also very important). Don't forget to prepare for CS theory questions and also HR questions (you can find how to answer basic ones on Google). It's normal to feel under confident even after practising all the concepts. Don't worry, it's completely normal. Just keep practising till the D-Day. Also remember, it's never too late to start preparing :)





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Industry: IT

Name: Vishakh Shah(2017A7PS1445H)

Company:ServiceNow

Role: Associate Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

- **Round 1 - Online Coding Test:**

It was an online coding round consisting of 10 MCQs and 1 coding question. The MCQs tested your conceptual knowledge of DSA, OOP, DBMS and OS. The coding question was a standard question on Dynamic Programming of easy - medium level.

- **Round 2 - Technical Round:**

He asked some basic questions on data structures and one coding question - Find the depth of a binary tree, followed by a brief discussion of the projects mentioned in the resume.

- **Round 3 - Technical Round:**

One coding question - Given a matrix and a starting point on its outermost row/column, print its elements in spiral order. The interviewer expected different approaches and kept on adding some extra constraints on the problem.

- **Round 4 - Hiring Manager Round:**

This Round was conducted by one of the Directors of the company. It started with an in depth discussion on my internship followed by conceptual questions on DSA, OOP, DBMS and OS. He gave different scenarios and was looking at my approach and whether I was able to map those problems to certain CS concepts.



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When did you start seriously preparing? How did you go about it?

I had previously done some prep during my PS-1 for the summer internship drive. For placements, I started preparing from March-April onwards. Most of it was solving coding questions on Leetcode, Codeforces, GFG. If you have already taken CS courses in college, they can be revised in a week just before the placements.

Important CDCs and Electives

- DSA, DBMS, OOP, OS

Topics/ Skills essential/ recommended for selection

-

Projects that helped (if any)

-

Sources that helped in preparation

Leetcode, Codeforces, GFG for coding questions. Lectures slides and notes for revising CS subjects.

Important Tips

Practice as many coding questions as you can. Make sure you solve all standard questions on Leetcode as these are asked in almost every interview. Also solve some difficult questions on codeforces etc. to get comfortable with online coding rounds.





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Company Name:Google India

Eligibility: B.E CS,EEE,ECE,EnI

CGPA Cut-off:None

Roles: Software Engineer

Selects: 2

Selection Rounds:3



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Birla Institute of Technology & Science, Pilani
Hyderabad Campus

Industry: IT

Name: Simran Malik(2017A7PS1631H)

Company: Google India

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

I was selected for Google SI in 3-1 and received a PPO in 4-1.

1. Resumé Shortlisting

We applied for the SI by submitting our resumes.

2. Interviews

Two rounds of interview.

45 min each.

The second interview happened 15 min after the first ended.

Each involved an introduction to the interviewer. Then one or two DSA coding questions.

3. An additional round of interview for me :P

When did you start seriously preparing? How did you go about it?

Summer holidays after 2-2

Important CDCs and Electives

- DSA
- OOP
- DBMS

Topics/ Skills essential/ recommended for selection

- Coding (practising as much as possible)
- Practice of explaining your thinking while answering questions
- Knowing your resume: introducing yourself, introducing your projects in a few lines.

Projects that helped (if any)

Not really



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Sources that helped in preparation

- Leetcode for Coding preparation
- Geeks for Geeks for OOP and DBMS

Important Tips:

- Coding practice
- OOP
- Dbms



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Company Name: Zopsmart

Eligibility: BE,ME CS

CGPA Cut-off: 0

Roles: Software Engineer

Selects: 4

Selection Rounds: 3



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Industry: IT

Name: Avinash Narasimhan(2017A7PS0142H)

Company: Zopsmart

Role: Software Development Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test

- a) The online test had 6 sections, out of which 1 was aptitude and 1 was CS fundamentals (these 2 were compulsory to attempt), the rest 4 were related to Java, SQL, Android and iOS (these 4 were optional)
- b) The questions were of medium difficulty, the CS fundamentals section was basic. You should be able to solve it if you have a good hold of the concepts.

2. Technical Interview (2 rounds)

- a) We had 2 technical interviews and both were online interviews.
- b) The first round was a coding interview where I was asked to code a sudoku puzzle with worst case complexity. It was fairly straightforward and the interviewer helped me in a 1-2 places when I was stuck.
- c) The second round was mostly related to your CS fundamentals such as OOPS, OS, DSA and DBMS. The interviewer asked 2 basic coding questions related to palindromes after asking questions about the CS basics. He then asked me a few questions related to the projects I had done in my 2nd and 3rd year. He asked just the overview of the projects and what my role was in the project.

3. We did not have a HR interview. Overall, only the online test and the 2 technical rounds.

When did you start seriously preparing? How did you go about it?

Placements for Semester 1 started in August and this company came in October. I had started preparing seriously for placements from June. I had mainly focused on



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coding practice from InterviewBit. I also attended HackerRank contests twice a week. I spent around 3-4 hours coding and 2-3 hours brushing up on the CS concepts.

Important CDCs and Electives

- 1) DSA
- 2) OOPS
- 3) DBMS
- 4) OS
- 5) Networks (Optional)

Topics/ Skills essential/ recommended for selection

The most important subject during placement prep is DSA. Topics like recursion, basic math problems, stacks, DP and graphs are very important. In OOPS, you need to just have a basic understanding of all the concepts in the subject. In OS, questions are asked mostly related to synchronisation, CPU scheduling and deadlocks. In DBMS, concepts of indexing are important.

If the company asks network related questions (highly unlikely), topics such as TCP, IP addressing, and basic OSI architecture are important.

Projects that helped (if any)

I had done 2 development projects as part of the coursework. The development projects were the one the interviewer focused on. He had also asked me questions related to other projects, but those were just an overview. The projects you do as part of OOP and DBMS are important.

Sources that helped in preparation

For coding, I mostly prepared from InterviewBit. I also attended contests on HackerRank which was very useful. For the CS basics, I followed the BITS material itself. The previous years PPTs are very good and most of my prep was from those. There are videos available on YouTube for each topic which you will get by doing a search.

Important Tips





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The most important topic to prepare is DSA. This is the only way you can get through online tests. A basic understanding of OOPS, OS and DBMS is enough, but DSA you have to do in depth. You should be prepared for answering questions about the projects you put on your resume.



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Industry: IT

Name: Shrish Tripathi(2017A7PS0188H)

Company: Zopsmart

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online coding round
 - a. Basic OA of easy-intermediate level.
2. Round 1
 - a. Discussion about the projects
 - b. Core concepts from java, OS, DBS.
 - c. Coding question and query writing
3. Round 2
 - a. Deep discussion on projects

When did you start seriously preparing? How did you go about it?

Mostly during the summers after 3-2. I did the placement preparation track from the leetcode.

Important CDCs and Electives

- OOPs
- DBS
- OS
- Computer Networks

Topics/ Skills essential/ recommended for selection

-

Projects that helped (if any)

-



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Sources that helped in preparation

Leetcode, GFG



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Company Name: Oracle

Eligibility: CS and Phoenix

CGPA Cutoff: 7

Roles: Applications Engineer
Member Technical staff
SDE

Selects: 24

Selection Rounds: 4



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Name: T Naga Sai Bharath (2017A7PS0209H)

Company: Oracle

CGPA: 8.56

Role: Server Technology

Mode of Offer: On-Campus

Recruitment Procedure:

Online Test :-

This was a 2 hour test which had several sections like Aptitude, Logical reasoning, English, CS Fundamentals. There are no coding questions. But there are some problems which ask you to fill up the blanks in the flowchart of an algorithm. There are multiple questions related to a single flow chart. You can't go back to the previous questions.

Interview :-

1. Round 1:

- A DSA question - related to recursion - Sum of all numbers to get a target
- One puzzle

2. Round 2:

- Asked to implement merge sort
- Another puzzle
- Some SQL questions

3. Round 3:

- Largest contiguous subarray whose sum is zero
- Stack using queue
- Some other CS concepts questions related to OS, Computer Networks

All questions were asked to implement and run test cases with no errors and warnings



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Not focused much on projects.

Some had HR round too, along with the three tech interviews

Important CDCs and Electives

DSA, OS, DBS, Networks

When did you start seriously preparing? How did you go about it?

Started preparing in the summer. Practiced questions from Leetcode Monthly Challenge (one question per day was given to solve), joined a discord server that has daily coding discussions and many others, practiced some mock interviews in Pramp.

Sources that helped in preparation

Leetcode, Interviewbit, Interviewcake, GFG placement experiences, Pramp

Important tips

Practice some mock interviews beforehand. This will help rectify our mistakes and also give confidence in actual interviews. Check GFG previous experiences of the company. For Oracle, check for puzzles asked previously in GFG



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Name: UTSAV KAUSHAL(2017A7PS1716H)

Company: Oracle

CGPA: 8.39

Role: Member Technical staff (Server tech)

Mode of Offer: On-Campus

Recruitment Procedure:

- 1. Online round
No direct coding questions were asked. There were multiple topics like quantitative reasoning, logical reasoning, English language, data structures fundamentals etc. No special preparation required for that. AVL trees, RB trees and BST based questions were asked in the CS section. Some questions which were output based were asked. There were a few questions based on detection of error in a code snippet (mostly Java) as well.
- 2. Tech round 1
Java Fundamentals thoroughly tested along with some SQL and basic DSA and a mathematical puzzle as well. An implementation of the student, teacher, principal hierarchy using classes in Java was asked. Difference between final and finally keyword etc.
- 3. Tech Round 2
DSA questions like Sudoku solver were asked and a lot of questions were asked from the projects mentioned in the resume'.
- 4. Tech Round 3
Project based questions, few SQL theoretical questions were asked along with some other factual questions like XML vs JSON etc. A lot of situations were given and a decision of which technology to be used / how to tackle the problem was asked. For example, I was asked how to implement auto-complete and dictionary feature in an online word processing service. The interviewer wanted to check technical knowledge combined with decision making skills.



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Important CDCs and Electives

OOP, DSA, DBMS

When did you start seriously preparing? How did you go about it?

December 2019. Started solving all the questions in InterviewBit one by one.

Topics/ Skills essential/ recommended for selection

DSA, knowledge of Java and Object Oriented Implementation using Java, SQL knowledge

Projects that helped (if any)

Movie Database system, Crypto currency project, Summer Intern project is a huge plus

Sources that helped in preparation

InterviewBit

IMPORTANT TIPS

Java fundamentals will be thoroughly tested, so prepare well. You might be given some situations where a tech. decision is required (for example, if a user has opened multiple tabs of the same service, how will you optimize things and reduce server burden etc.) where separate preparation might not work so keep an open mind. If you forget the syntax sometimes then it isn't an issue, just mention it to the interviewer and provide the approach instead.



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Name: Venkata Abhijeeth Balabhadruni (2017A7PS0026H)

Company: Oracle

CGPA:8.5

Role: Applications Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

- 1. Online Round
The test contained several sections and all questions were MCQs. The sections were Coding ability, Computer Science theory, Advanced data structures like AVL Tree (need not have deep knowledge about these but need to know how they are created to answer these MCQ's), Verbal and Quantitative ability, etc
- 2. Technical Interview (40 min)
The interview was being conducted over the Zoom Platform.
This round started with an introduction to both myself and the interviewer. This round was kind of a rapid-fire round, I was asked about 30-35 theoretical questions about my projects, OOPS, OS, DBMS, CN, and even some aptitude questions. (It was basically to test my theoretical knowledge on everything mentioned in my resume). Then he asked one coding question on trees and then the round was done.
- 3. Technical Interview 2 (40-50 mins)
First, both of us introduced ourselves, and then he asked 2 coding questions. I had to write working codes while I was sharing my screen with him. Then he asked me questions on DBMS and some SQL queries.
- 4. Technical Interview 3 (1 hr)
First, he asked me how did the interview process go so far and did you do well.
Then he went through my resume and we had some conversation about my education till now.



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He asked me to explain “How does an ATM work”, each step like a CS student. I went off track sometimes and he helped me by asking again what he specifically wants to know.

Then he asked me to explain Banker’s algorithm and some OS concepts.

Then he asked me if I have any questions, then we had a conversation about some principles they follow in Oracle and about what employees do, and then the round was done.

- 5. HR Round (5 min)

This round started with an introduction to both myself and HR.

Then they asked about work location preference. That’s all they asked in HR.

When did you start seriously preparing? How did you go about it?

I started seriously preparing for the placement process in April, and the placement process started in August. So I had prepared for about 4 months.

First I started practicing from Interview Bit. I solved 1-2 problems from each bucket in order to get an idea about different types of problems. After completing that I understood some topics require more practice. So I completely solved all questions from those topics on Interview Bit, then after gaining confidence on all topics I started solving problems randomly from Leetcode for more practice and to test the concepts I learned. I started brushing up on courses(OOPS, DBMS, DSA, CN, OS) from 10 days prior to the placement process (It's more than enough time for covering all interview-based subject questions).





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Name: Anushray Mathur (2017A7PS1570H)

Company: Oracle

Role: Applications Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. The first round was an online test which was proctored
2. The test was divided into 4 parts - Aptitude, English, Core CS Subjects, Coding. Each part was further divided into subsections and all of these subsections were individually timed (had their own time limits). For example Core CS Subjects part included a subsection of questions on DBMS, it had 5 questions and had to be done in 5 minutes. All questions of all the subsections were MCQs. Even the coding part had groups of MCQs based on parts of codes given. For example a structure of BST was given and 3 MCQs were asked based on it. The sum of the times for each subsection was 107 minutes. Accuracy and speed is what was important
3. After getting shortlisted I had 3 rounds of technical interviews. I was asked about the projects on my resume, in detail by all three of these interviewers and questions on DSA, DBMS, Networks and OOP. The key is to be confident and not try to blabber yourself out of a question you don't know. All three of these interviews lasted for about 30-45 min each.
4. The final round was an HR interview which lasted barely 5 min. I was simply asked about myself and then the interviewer asked me about my job location preference if I was to be selected.

Important CDCs and Electives

DSA, OOP, DBMS



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When did you start seriously preparing? How did you go about it?

I started preparing seriously in the summer itself. My SI was cancelled due to covid so I had a lot of time in hand. I started by strengthening my coding skills topic by topic.

Solving questions from each bucket from InterviewBit and also giving competitions on Codeforces every once in a while. I brushed up my knowledge on all the important CDC's just before the placement season was about to start.

Projects that helped (if any)

I had 3 projects on my resume, done during the coursework. I had written about the DBMS project, Cryptography project on BlockChain, and the Data Mining project. Expect interviewers to ask you to explain each project written on your resume thoroughly and in detail.

Sources that helped in preparation

InterviewBit, GeeksForGeeks, CodeForces

Important Tips

Don't get disheartened if you do not get selected by multiple companies in the beginning. Stay focused and try to give your best in every test/interview you give.





Birla Institute of Technology & Science, Pilani
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Name: Ashish Gupta (2017A7PS0056H)

Company: Oracle

Role: Server Tech

Mode of Offer: On-Campus

Recruitment Procedure:

- Online round - MCQs from DSA, OOPS, Quant
- Interview round 1- It was kind of a coding test where the interviewer asked me to implement 2 coding questions and run the code. After that interviewer asked a few fundamental oops questions.
- Interview round 2 - Resume grilling(projects) and a question which required oops and dbms fundamentals.
- Interview round 3 - 3 puzzles from Gfg

Topics/ Skills essential/ recommended for selection

DSA, OOPS, DBMS, Basic system design

Sources that helped in preparation

Leetcode, Interviewbit, Gfg, gaurav sen youtube videos

Important Tips

Prepare oops fundamentals properly. Refer Gfg for puzzles. Be thorough about whatever projects you put on your resume.



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Birla Institute of Technology & Science, Pilani
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Name: Desu Sree Harsha (2017A7PS0019H)

Company: Oracle

Role: SDE

Mode of Offer: On-Campus

Recruitment Procedure:

- Online test: A lot of MCQs on aptitude, CS topics, algos and a bit of English. Each section had its own time limit (very similar to the oracle online SI test).
- First Technical Round: He asked a lot of questions on OOPS, JAVA and DBMS, I answered about 90% of them. (Lasted about 40min)
- Second Technical Round: 2 DSA questions the difficulty was very easy, one question was to print a spiral pattern from a given matrix of numbers and was to detect the no. of times the pattern 10*1 appears in a string. I was asked to share my screen and was told code in language I wanted, was then asked to explain after finishing it. (Lasted about 35-40min)
- Third Technical Round: I was asked only one question to make a function to add x days to a given date and print the new date. same as previous was asked to code and explain it later. (Lasted about 25min)
- HR Round: I think it's the HR round I am not sure cause I was only asked to tell me about myself. After telling about interests and how I ended up in BITS, She asked which location I would prefer Bangalore / Hyderabad. (Lasted about 15min)

The whole interview process took place on Zoom and between each round I waited about 2-3 hours in a zoom waiting room. So try not to lose your cool or get nervous.

Important CDCs and Electives

DSA, OOPS, DBMS and maybe OS



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When did you start seriously preparing? How did you go about it?

Prepared OOPS, DBMS and Java after I found out I was shortlisted. I practiced a month or 2 from the placement process.

Topics/ Skills essential/ recommended for selection

In general DSA:- Graphs, DP(at least basics), heaps, trees
the basic OOPS concepts , most common DBMS interview questions and OS

Sources that helped in preparation

Code forces and GFG, some java cheat sheets

Important Tips

In your interview process try not to lose cool. In most cases the interviewer is pretty chill and doesn't put too much pressure on you, so If you are stuck somewhere try not to panic they will give you clues to reach the solution. Also try to read up on the company's history, what kind of products they work.



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Name: Varad Kshirsagar (2017A7TS0141H)

Company: Oracle

Role: Applications Engineer

Mode of offer: On-campus

Recruitment Procedure:

1. Online Test :

- This test is conducted on Oracle's own test portal. You have to keep your webcam on and the portal will pause the test if it cannot detect your face.
- There are many sections that test your logical reasoning such as English grammar, Computer Science Fundamentals (All data structures, OOP, DBMS, C coding etc.), general mathematics, probability, observation skills etc.
- The number of minutes and number of questions are approximately the same and the test is for 180 minutes. Hence, you need to be very fast with your calculations.

2. Interview Round 1:

- I was asked basic SQL questions with respect to real life scenarios (eg. Payment system at a retail store) and a couple of simple DSA questions.
- You need to be able to write complete SQL queries.
- The interview lasted for ~30 mins.

3. Interview Round 2:

- The interviewer asked me which subject I hated the most in CS and then went on to ask me some basic questions from that subject. He was testing whether I can pay attention to things which bore me.
- He also asked me some resume based questions and a few OOP fundamentals related questions.
- He asked me a couple of DSA related questions (explain quicksort and code regex matching) and asked me to code one in my preferred language.
- The interview lasted for ~1 hr.



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4. Interview Round 3:

- 2 DSA related questions and a resume based question. I had to code both questions.
- The interview lasted for ~45 mins

Important CDCs and Electives:

OOP, DBMS

When did you start seriously preparing? How did you go about it?

I started preparing seriously around the end of May. I set a daily target on Interviewbit and started solving questions according to the levels given there.

Topics/ Skills essential/ recommended for selection

- OOP and DBMS fundamentals
- Competitive coding practice

Projects that helped (if any)

- OOP project

Sources that helped in preparation

- Interviewbit
- GeeksForGeeks

Important Tips

- Make sure you have a good attitude in interviews.
- They don't expect you to be able to answer all questions perfectly. They just want to see how you would behave if you face a problem you cannot solve. If you cannot solve a question even after trying, tell them that you don't know





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how to solve so that either they'll push you in the right direction or you can move on to the next question that you might be able to solve and score some points.



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Name: Rahul Midha (2016B3A70923H)

Company: Oracle

Role: Application Development

Mode of Offer: On-campus

Recruitment Procedure:

3 Technical rounds and 1 HR round were taken.

1. Round 1:
 - mostly puzzles and resume grilling
 - If you have mentioned DBMS project in your resume, be prepared for any question from it.
2. Round 2 and 3:
 - DBMS and OOPs were asked in depth. Fundamental knowledge of them is important. You can use any language you prefer. Select the one you are confident in.
3. Round 4:
 - This was an HR round for 5 minutes, asking how do you think you performed.

Important CDCs and Electives:

DSA, DBMS, OOPS

When did you start seriously preparing? How did you go about it?

I started around May. I had good knowledge of DSA

Topics/ Skills essential/ recommended for selection

DBMS and OOPs are must, DSA is not asked much but be thorough with basic concepts like pointers.



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Sources that helped in preparation

- Coding for both coding rounds and interviews: Interviewbit and GeeksForGeeks are ideal places to prepare from.
- System Design: Prepare from gaurav sen's youtube channels and GeeksForGeeks.

Important Tips

- Be thorough about whatever projects you put on your resume. The biggest factors in a resume are no doubt your projects and other achievements like hackathons and coding competitions.
- Prepare OOPs and DBMS Fundamentals Properly





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Name: Sanjiv Yelthimar Shenoy (2017A7PS0224H)

Company: Oracle

Role: Applications Engineer

Mode of Offer: On-campus

Recruitment Process:

1. Online MCQ based test - it contains different sections ranging from mental ability questions, coding, English, and observation skills.
2. Interview - There were 4 rounds.
 - The first 2 rounds were coding based where there were DSA questions asked and I needed to code on notepad (no code editor allowed) and then explain the logic and code.
 - In the 3rd round, subject skills like Database, OS, C, and more were tested along with some questions based on my resume.
 - Round 4 was HR with a few questions on interests and resume.

Important CDCs and Electives:

- DSA
- Data Base
- OS

When did you start seriously preparing? How did you go about it?

- I started at the beginning of the summer vacation.
- Practicing on interviewBit and LeetCode was useful.
- I started practicing interview skills a few weeks before placement.

Topics/ Skills essential/ recommended for selection

- Good coding skills.
- Ability to explain your code and logic well with suitable examples.



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Sources that helped in preparation

- InterviewBit
- LeetCode

Important Tips

- Practice and solve DSA questions every day.
- Be regular and maintain a schedule.
- Focus on Interview Skills - learn to explain your code well, be confident, know your resume
- Make sure to give some mock interviews.



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Name: Suhas H V (2017AAPS0252H)

Company: Oracle

Role: Application development engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test: The online test had about 5-6 sections. There was a time limit for each section. The different sections were CS fundamentals, Aptitude, English and a few others. CS fundamentals section had many questions on trees.
2. Interview round 1: I explained the projects on my resume. I was then asked to explain object oriented programming principles used in my project. I was then asked to code in Java. The question was quite basic.
3. Interview round 2: This round tested my CS fundamentals. Questions were related to sorting, searching (binary search and hash tables), basic networking and operating systems.
4. Interview round 3: In this round I had to solve a few puzzles. The last puzzle was similar to Sudoku. I was then asked to write code to solve the same.
5. HR interview :This was not really an interview. I was just asked for my preferred location of work.

Important CDCs and Electives

DSA, OOP

When did you start seriously preparing? How did you go about it?

I started preparing seriously in my 3-2. I solved questions in interviewbit, leetcode and codeforces.



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Sources that helped in preparation

Coding platforms such as interviewbit, leetcode and codeforces.



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Name: Akhil Yadala (2017AAPS0456H)

Company: Oracle

Role: Applications Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Online Test: Total duration of the test is 107 minutes. There were several sections, each having a time limit. Questions were asked from all the core CS courses like DSA, OOP, OS, DBMS and aptitude, reasoning. The test could seem overwhelming, with many questions being asked in each section having a strict time limit and hence it's necessary to manage time well.

After getting shortlisted in the online test, I had three technical interview rounds.

2. Round 1: I was asked to write the complete code for two questions related to graphs. After that, there was a discussion on the projects that I have mentioned in my resume.
3. Round 2: This round started with the questions related to Object-Oriented Programming and Java language. Then I was asked to come up with the most efficient approach for two to three programming questions (good knowledge of DSA is essential). Finally, two to three puzzles were asked before wrapping up the interview.
4. Round 3: Interviewer asked me to solve a puzzle having a set of input values. After solving the puzzle by hand, I was asked to code the solution to automate solving that puzzle for any different input. The interview ended after writing the code for it.

I didn't have any HR rounds after these technical rounds (some of my friends had HR rounds as well).



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Important CDCs and Electives

DSA, OOP, OS, DBMS

When did you start seriously preparing? How did you go about it? I started in 3-2. My branch is ECE and I never really prepared for SDE roles till 3-1. I believe it's never too late to start. I strongly advise non-CS students planning to secure an IT job to start learning DSA and practice coding from the second year itself. Many good companies that come to hire for internships during 3-1 do not visit again for placements.

Topics/ Skills essential/ recommended for selection

Thorough knowledge of DSA is necessary to write the most efficient code for a given problem. Brute force way of solving never helps in online tests or interviews. Concentrate on topics like Graphs, Dynamic Programming, Hashes, Linked Lists. OOP is the next most crucial thing after DSA.

Projects that helped (if any)

I have worked on an interesting project related to deep learning during my PS1, which grabbed attention during the interview.

Sources that helped in preparation

Geeks for Geeks, Interview bit, Leet code were my major sources to practice coding. Tushar Roy youtube playlist was very helpful to prepare Dynamic Programming and Gaurav Sen playlist for System Design.





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Name: Shah Dhruv Dharmendra(2017A7PS0138H)

Company: Oracle

Role: Server Tech

Mode of Offer: On-Campus

Recruitment Procedure:

Online Round:

MCQs on basic DSA, OOPS and Quant.

- **Round 1:**
 - Resume Grilling
 - Questions on OOPS fundamentals and SQL.
- **Round 2:**
 - 1 Coding question
 - OOPS fundamentals
 - Discussion on a previous internship and two puzzles.

There was no HR Round for me.

Important CDCs and Electives

- DSA
- OOPS
- DBMS
- Basic System Design

Topics/ Skills essential/ recommended for selection

Be thorough in projects you put on your resume. Prepare OOPs Fundamentals and SQL properly.

Sources that helped in preparation

Leetcode, GFG



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Name: Shreyansh Garg(2017A7PS1730H)

Company: Oracle

Role: Member of Technical Staff

Mode of Offer: On-Campus

Recruitment Procedure:

The recruitment process consisted of an online test and 3 technical rounds and the interviews were conducted on Zoom.

Online Test:

- The online test only had MCQs and no coding questions. There were around 100 MCQs which we had to do in 2 hours. The MCQs were of CS fundamentals, logical reasoning and verbal.

Technical Interview1:

- In the first interview, he asked me about all the projects on my resume.
- Then he asked some basic questions on computer science fundamentals like explaining all the OOP concepts, normalisation/denormalization.
- He also asked me basic coding questions on implementation which I had to code on coderpad.

Technical Interview 2:

- In this round, the interview asked me a few puzzles and questions on Java.
- He also asked me basic coding questions which I had to code on coderpad. The coding questions were pretty easy and the main focus in the first two rounds was your knowledge about Computer science fundamentals.

Technical Interview 3:

- I was told in the breakout room that this would be the HR round but I was surprised when the interviewer started the interview by asking me about Belady's anomaly.
- This was a rapid fire type round and the interviewer asked me 15-20 questions covering OS, DBMS, Networks.



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- Some of the questions which I recall: Belady's anomaly, B tree/B+ Tree, why normalisation/denormalization, Network layers, oop concepts.
- I was able to answer most of the questions he asked.
- Lastly, he asked me to code a DSA question: Largest sized subarray whose sum equals K. I did this pretty quick in about 5 mins and was able to compile and run all the test cases he gave in one go.
- Overall the interviewer was pretty chill and this was a fun Interview.

Important CDCs and Electives

- OOP
- DSA
- Databases
- OS

When did you start seriously preparing? How did you go about it?

- I seriously started preparing for placements during the lockdown when we were back home in March.
- I didn't manage to get a SI on campus and decided that I will prepare for placements in the summer instead of trying off campus.

Sources that helped in preparation

- I mainly practised on Leetcode and completed InterviewBit a month before placements started.
- Leetcode is the best coding interview preparation site according to me and being able to do LC medium in about 20-30 mins should be good enough to get a dream week IT placement.





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POSTMAN

Company Name: Postman

Eligibility: B.E All

CGPA Cutoff: None

Roles: Data Analyst

Selects: 2

Selection Rounds: 5



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Name: Shubham Jaju (2017A4PS0819H)

Company: Postman

Role: Data Analyst

Mode of Offer: On-Campus

Recruitment Procedure:

1. Aptitude Test :

- 25 MCQs-Most of them on probability and combinatorics
- Easy questions-accuracy and speed important

2.Guesstimate:

- I was asked to estimate the number of sweet boxes sold in Hyderabad city on Diwali day. One critical point was to specify that the question asks for the sales on Diwali day and most of the sweet boxes are sold before Diwali.
- I was asked to mention something which I am most proud of from my resume.
- Structured thinking and MECE approach were tested in this round.

3.Case Study - Process Design & Metric Design:

- The case was completely qualitative and no numbers were involved. I was asked to design an update rollout process for a game. This mostly included asking the relevant objectives and possible setbacks in the process and finally suggesting a rollout process.
- The next question was to suggest a North-Star Metric for a restaurant.
- Both the questions involved a lot of discussion and a great emphasis on understanding the objectives and covering all bases to try and make the solution foolproof.

4.Interview



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- This was a very free flowing interview where we started with the review of the last round and discussed update rollout process
- practices of companies, innovation in them and what they can do better. I was asked to take a standard update rollout process point out drawbacks in it and improvise on them. From here we moved on to developing a North-Star Metric to measure success of the update rollout process. On this point the interviewer asked me for a drawback in my suggested metric, upon presenting the same he asked me to rectify it and again asked for a drawback in the new improvised metric, this loop kept on going for 4-5 times and we moved to a discussion on statistical significance of metrics and how to set threshold values for any metric in a given case.
- I was then asked to suggest a North-Star metric for an e-commerce store and the same cycle of improvisation took place where I was asked to find a drawback and improve my metric and do it over and over 4-5 times.
- I was then asked about my hobbies and upon saying that I enjoy reading I was asked about the last book I read and was then asked to sell the interviewer the same book.
- Ability to have an open mind for discussion and persistence was judged while having an exhaustive yet logical discussion. A good base with statistics and willingness to learn & improve. These are some key points for candidates to keep in mind.

5. HR Round

- I was just asked if I had any questions for the HR
- Explained the job responsibilities and the compensation linked with it.





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Important CDCs and Electives

Financial Management, Supply Chain Management, Business Analysis and Valuation, Quality Control Assurance & Reliability, Production Planning & Control.

When did you start seriously preparing? How did you go about it?

I did some preliminary preparation throughout June and July where I would do one on one case interviews and product case studies with a friend and get them reviewed by a senior. During my PS-II (Aug-Dec) I started doing case interviews and guesstimates with a group of 5 friends on weekends we did this from Aug-Oct. Apart from that I read a few books on product management principles which helped me form a deeper understanding of products and metrics.

Topics/ Skills essential/ recommended for selection

Structured Thinking, MECE approach, Basic Statistical Inference.

Projects that helped (if any)

My PS-II role was in the Data Insights Division of Bank of New York Mellon. We were working on a 360 view of data distribution and autonomy to users at different levels. This project helped me understand the journey of data from raw form to an impactful insight. With this project I also got to know good practices in data and use of powerful tools.

Sources that helped in preparation

IIM-A Casebook, Wharton Casebook, Exponent YouTube Channel, (Morningbrew, Angellist, Finshots newsletter.)

Important Tips

Reading a lot in areas of your interest and then discussing it with your friends with respect to innovations, applications and Industry Practices will help develop quick and logical thinking while increasing your repertoire in various fields.



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Name: Dhruv Gupta(2017A7PS0108H)

Company: Postman

Role: Software Engineer

Mode of Offer: On-Campus

Recruitment Procedure:

1. Written Round(Online Coding):

- Test consisted of MCQs(10-15) and 3 Coding Questions
- Question 1 was based on custom sort function to be applied on strings.
- Question 2 was based on recursion + backtracking.
- Question 3 was based on binary search on answer.
- MCQs were mostly CS Fundamentals with some syntax based and some basic theoretical questions.
- For getting shortlisted you have to do most of the MCQs + approx 2 - 2.5 coding questions.
- Total 14 were shortlisted for interviews.

2. Interview(Round 1)

- Interviewer asked me to introduce myself(This is first question in almost every interview)
- Then he looked at my resume and asked to describe the project that I had done in my PS-2.This I was able to explain properly and he got impressed with the work that I had done.
- Next he asked about the website that I built as a part of a Software Engineering course in my 3-2 and asked each and every detail of why you implemented this and why not this.
- Then he started asking about various CS Fundamentals
- This round I was able to answer most of the questions and got through to the next round.Total 4 students were shortlisted for Round 2.

3. Interview(Round 2)



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- Interviewer asked me to introduce myself again.
- This round had various design questions as well.
- He asked about the project in PS-2 and website that I built, same as round 1 but he was more focused on Authentication and what all you used for authentication.
- 4) Then he asked various design question as designing traffic system and book my show kind of website (Because I had done project related to this).
- After this round was the HR round and 2 people got shortlisted for this round.

4. Interview HR

Mostly behavioral questions and projects. Interviewer was nice and it felt as it was a normal conversation rather than an interview.

Finally after this I was the only select for Postman and it was a great feeling.

Important CDCs and Electives

For postman computer networks fundamentals are quite necessary but in general OOP, DBMS, OS and Networks are the core courses to focus on. If your resume has other projects apart from these subjects then you have to prepare those subjects as well.

When did you start seriously preparing? How did you go about it?

I started preparing coding and started giving various coding contests from my 2nd year on websites like codeforces, interviewbit and leetcode. I also referred to geeksforgeeks and cp-algorithms sites for reading the concepts required for coding. I prepared CS Fundamentals in the last few months of my placements as these are mostly the courses we have done and it takes less time to prepare then preparing well for the coding part as this is criteria for getting shortlisted for most of dream companies. CS Fundamentals could be prepared by using the course slides that you would have read in that particular course.





Topics/ Skills essential/ recommended for selection

- Data Structures Algorithms (DSA) - Coding Round
- OOPS,OS,DBMS and Networks - CS Fundamentals.
- Good knowledge of full API development from frontend to backend.

Projects that helped (if any)

PS-2 Project was the main highlight for me as here as able to show the impact that I made to the company. My project was based on automation of CI/CD pipeline using microservices to run the various test suites in parallel to reduce the running time from 10-12 hours to 30-40 mins. So PS-2 project helped a lot in highlighting my skills.

Also the Software Engineering project helped me with the interview, many questions were based on this project.

Data Mining and Information Retrieval Projects too, they asked briefly about them.

Sources that helped in preparation

1. Course Slides and Lectures for CS-Fundamentals
2. For coding:
 - GeeksforGeeks and cp-algorithms for reading
 - Codeforces, interviewbit and leetcode for practicing.
 - I also took regular guidance and feedback from seniors on how to prepare and what is most important.

Important Tips

- Practicing regularly is very important for coding as concepts are fresh in your mind and you can answer them whenever asked and you don't need to read them again.
- Strong grasp on basic CS Fundamentals.
- In the placement process, it is very easy to lose confidence in the initial phases of the placement cycle, so it's very important to keep yourself motivated for the next company that comes and you can give your best.





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- Have faith in the PU and our college, they work hard for the placements of most of the students and most end up getting their dream job.



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DOMAIN

MANUFACTURING



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An Overview

Four Companies visited the campus from the manufacturing sector- Exxon Mobil, L&T Limited, Sona Comstar and Linecraft AI. The roles that were offered included Upstream Engineer, Project Engineer, Planning Engineer, GET and Operations Engineer. A total of 8 people were selected. Recruitment procedure varied according to the company but majorly consisted of Online Tests followed by Group Discussions, Technical Interviews and HR Interviews. The Group Discussions were based on current affairs and general knowledge. For the Interviews, be thorough with your resume.





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ExxonMobil

Company Name: Exxon Mobil

Eligibility: B.E. Chemical and B.E. Mechanical

CGPA cut-off: 6.75

Roles: Upstream Engineer, Project Engineer

Selects: 2

Selection Rounds: 3

CTC: 1072000



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Name: Shivangi Sharma

ID NO: 2017A1PS1050H

Profile: Core (Energy Sector)

Company: Exxon Mobil

Recruitment Procedure:

1. Online Test:

- There were two sections. In section 1 we had aptitude, logical reasoning, quant and verbal ability questions. The questions were moderate to difficult.
- The second part had 30 questions from chemical engineering. The questions were asked from Thermodynamics, Heat Transfer, PDC, Fluid Mechanics. The level of the questions was again moderate to difficult.

Most of the students cleared this round.

2. Group Discussion:

- We were divided in groups of 8. Topics were given based on either current affairs or general knowledge. The discussion lasted for 8 minutes and the last 2 min were given to conclude the topic.

3. Interview:

- Both the Technical and the HR interview were conducted simultaneously.
- Technical: Resume was discussed extensively. We were then given a choice to pick any of our CDCs and were asked questions on that subject.
- HR: General HR questions.

When did you start seriously preparing? How did you go about it?

- Although I had a higher CGPA but I did not have a core profile. I have done just one project (SOP) in my chemical engineering dept however that did not affect my selection. I interned with Reliance in summer.
- For the interview I took guidance from seniors who were already placed in the company. I cannot stress enough on this one aspect of your interview



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prep. Talk to your seniors. They would be more than happy to help you and guide you.

- Also, for technical interview last minute prep, NPTEL slides would be really beneficial.

Important CDCs and Electives

- Thermodynamics
- Heat Transfer
- Fluid Mechanics

Topics/ Skills essential/ recommended for selection

- Good understanding of core subjects.
- Good communication skills

Projects that helped (if any)

- SOP in " Usage of Methanol as a fuel" and NPTEL.

Sources of Preparation

- NPTEL

Important Tips

For Online test:

- Practise well.
- Talk to seniors.

For GD:

- One can get brownie points for opening the discussion, meditating during the discussion and bringing different dimensions.
- Never raise your voice.
- Never open the discussion if unsure of the topic.

For Interview:

- Talk to seniors and ask about their experience.
- Be thorough with your resume and always justify it during an interview.
- Keep smiling and hope for the best.





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Placement session is a crucial time for all students. You might have to deal with rejections. But you need to understand that self-doubt and getting demoralised will only worsen the situation. This is just the beginning of your career. Talk to your friends and family whenever you feel low. Stay positive. Good luck.



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Name: Aaradhya Jaggi

ID NO: 2017A4PS0630H

Profile: Upstream Engineer

Company: Exxon Mobil

Recruitment Procedure:

- First round was an online test for the cg cutoff for which was 7.5. There were 2 main sections- aptitude and engineering.
- For aptitude, we had three sections English, maths and mental aptitude. Total time was 1 hour and the questions were slightly lengthy but not very tough. The PU tests are sufficient for prep but you can also practice from a CAT book if you want.
- The engineering test follows the aforementioned test immediately and was a half hour long in duration. The questions were tricky and conceptual.
- Questions came from all over the place but if you want to optimize your attempt, be well versed in the concepts of Thermodynamics, Machine Design, Material Science, Fluid Mechanics and Heat Transfer. *Do note that this list of subjects is not exhaustive.*
- The next round is the group discussion. They make a common pool of students from all 3 campuses and all 3 branches so your gd group (of around 8-9 people) may or may not be from your campus or branch. The gd topic is typically a current affairs topic. They give the group 8 minutes to discuss (excluding a 1 minute intro and 45 second conclusion that every participant is supposed to give).
- The gd is the bulk elimination round and more than 50% of the people get eliminated post the gd.
- 3. The interview is a combined tech+ hr interview. They ask you questions from those core topics on which you've done your projects (like I had done projects on thermo and material science and strength of materials so they asked me



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When did you start seriously preparing? How did you go about it?

- I started during fourth year but that's because I had already done some basic prep for SIs during 3rd year (I had an SI in Daikin so had prepared applied thermo and heat transfer).
- For all intents and purposes, the lecture slides are comprehensive and do suffice, however I also watched NPTEL videos for a few topics for which the slides weren't available.

Important CDCs and Electives

- Applied Thermodynamic
- Mechanics of Solids
- Heat Transfer
- Material Science
- Electives don't really matter much, but if you've done something like supply chain management, you can expect some questions from that

Topics/ Skills essential/ recommended for selection

- Confidence is all. Focus on the GD, so good knowledge of key current affairs and good diction.

Projects that helped (if any)

- None. Just be sure that you're not bluffing about projects in your CV because they'll see right through that (And whatever you do mention, ensure that you know everything about it).

Sources that helped in preparation

- Lecture slides
- PU tests for aptitude test
- NPTEL (optional)
- CAT books (optional)





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Important Tips

- Be confident. The interview is not a stress interview, unlike a lot of other interviews, they don't bombard you with questions, so it is more of a conversation than an interrogation if you will.
- Be clear with your concepts, even if you're jotting something on a piece of paper, be vocal and loud about your thought process. Don't take the gd lightly and you should be good



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Name: Sahan Panguluru

ID NO: 2017A8PS0805H

Profile: Upstream Engineering

Company: Exxon Mobil

Recruitment Procedure:

- 1) Online Test: With reasoning, aptitude and core subject (fairly simple questions)
- 2) Group discussion: With a group of 6-7 people over general affairs judged by 3 people.
- 3) Interview: Character analysis, fundamentals testing and resume based questions.

When did you start seriously preparing? How did you go about it?

I didn't prepare for this role. It was related to instrumentation and no one prepared for it.

Important CDCs and Electives

All instrumentation related CDC's and no need for electives.

Projects that helped (if any)

None

Important Tips

Be cool and take the lead in GD and think before you answer in interviews.



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Company Name: L&T Limited

Eligibility: CS, ECE, EEE & EnI

CGPA Cutoff: 6

Roles: Data Engineer

Selects: 7

Selection Rounds: 3

CTC: 600000



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Name: Vedanth Narayan Kuchibhotla

BITS ID No.: 2017A4PS0728H

Job Profile: GET

Company: L&T Limited

Recruitment Procedure

1) Online Test

- Aptitude and Technical (Related to Discipline)
- Total No of questions was around 150..Test duration-3 hrs
- Aptitude was easy (No special prep required)
- Technical Questions-40.all the questions were discipline related
- For Mechanical- More emphasis on PT-1,PT-II, and Design (Strength of Materials And Machine Design)..Not many from Thermo & Fluids.

2) Interview

Around 20 mins

- Started with an Extempore for 1 min on General Topics. Mine was Cyber Security.
- A couple of basics questions related to projects.
- Favorite Subject related questions.
- Also subject related questions in Fluid Mechanics, Strength of Materials,Thermodynamics.
- Basic HR questions to wind up.
- Chill interview if you have your basics covered

Important CDCs and Electives

- Be thorough with your resume.
- Focus more on PT for technical test and other CDC's like FM, SOM, Thermodynamics for interview.



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Company Name: Linecraft AI

Profile 1 - Industrial Operations

Eligibility - BE All; ME Mech, Design, Thermal

Profile 2 - ML Engineer

Eligibility - BE All

Profile 3 - Software Engineer

Eligibility - B.E. CS, EEE, ENI, ECE

Selects:1

Selection Rounds:3

CTC: 800000



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Name: Yagna Murthy Satya Lakshmi Sarath Raja

ID NO: 2017A2TS1540H

Profile: Industrial Operations Engineer

Company: Line Craft AI

Recruitment Procedure:

1. Written Round: 2 case studies, and few questions on excel and probability statistics (many were rejected and only 7 passed through)
2. Interview: (2 rounds) (questions on resume i.e., projects and internship and few technical and coding questions)

When did you start seriously preparing? How did you go about it?

- Started 3 months back and focused on coding and revising my projects.

Important CDCs and Electives

- Operations Research
- MCDM

Topics/ Skills essential/ recommended for selection

- Optimization
- Multi criteria decision making
- Basic coding is required.

Projects that helped (if any)

- Design and Optimization of WDS

Sources of Preparation:

- Basic understanding of what an interview is and knowledge of how you will be helpful for the company.

Important Tips

- Stay calm, it's just a way to advertise yourself



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SONA COMSTAR

Company Name: Sona Comstar

Eligibility: B.E (Mechanical, Manufacturing);
M.E (Mechanical, Design)

CGPA Cut off: 6

Roles: GET

Selects: 1

Selection Rounds: 2

CTC: 450000



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Name: R Sudharshan

ID NO: 2017A4PS0471H

Profile: GET

Company: Sona Comstar

Recruitment Procedure:

- Technical Test: MCQ related to basics of mechanical engineering & moderate level difficulty
- Interview: Resume based questions, In depth questions about relevant projects

When did you start seriously preparing? How did you go about it?

- Started preparing around the end of April
- Revise basics, solve few problems.
- The level of questions asked are that of GATE.
- Practiced answering questions related to conceptual understanding and framing of answers related to project work.

Important CDCs and Electives

- Mechanics of Solids
- Fluid Mechanics
- FEA

Topics/ Skills essential/ recommended for selection

- FEA and CAD modelling skills
- Basic handling of FEA softwares

Projects that helped (if any)

- Was involved in FEA modelling of bending of sheets
- PT2 fabrication project involved CAD modelling

Sources of Preparation:

- Youtube, Placement unit sessions, notes



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DOMAIN OT



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Company Name: Byju's

Eligibility: B.E All, M.E (Mech, Chem, Civil & Biotech Dept.), B. Pharm, M. Pharm

CGPA Cut off: 5

Role: Associate- Content Developer

Selects: 15

Selection Rounds: 4

CTC: 800000



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Name: Dwaipayan Bhattacharyya

ID NO: 2017A1PS0831H

Company: BYJU'S – The Learning App

Profile: Associate Content Development

Recruitment Procedure:

- Written Test- Aptitude + PCMB (Required to attempt any 2 only)- 90 mins total duration. +2,-1 marking scheme.
- Subjective Assignment- To check creative writing skills. Also one has to enter the preferred subject here.
- Interview: Questions from preferred subjects may be asked. General interview. Behavioral questions, ed-tech related questions etc.
- Final selection is based on subjective assignment and interview.

Topics/ Skills essential/ recommended for selection

- Basic awareness about the ed-tech industry. Careful choice subject of preference.



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Name: Krithik Garg

ID NO: 2017A3PS0609H

Company: Byju's

Profile: Associate content development

Recruitment Procedure:

1. Online Test

Aptitude + attempt any 2 out of Physics Chem mathematics

40 people were shortlisted

2. Interview

- One subject out of PHYSICS Chemistry Mathematics has to be selected for the interview
- Interview started with general questions like tell me something about yourself.
- Then subject questions were asked. Subject questions were to test your understanding of the subject and no memory based question was asked.
- Interview ended with final question "What value you will add to the company?"

When did you start seriously preparing? How did you go about it?

Test and interview was based on 11 , 12 class PCM



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Name: Vishnu M Pillai

ID NO: 2017A3PS0508H

Profile: Content development

Company: Byju's

Recruitment Procedure:

- Online test (aptitude + any one of the four +2 subjects)
- creative round
- interview

When did you start seriously preparing? How did you go about it?

- Didn't really prepare for this interview specifically, I was preparing for IT placements.

Topics/ Skills essential/ recommended for selection

- Speaking
- creativity
- +2 knowledge

Important Tips

- The online test is the most important part, please revise some +2 topics.



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Birla Institute of Technology & Science, Pilani
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Name: Sandeep Jimmy Choolackal

ID NO: 2017A4PS0868H

Profile: Content Development Associate

Company: Byju's

Recruitment Procedure:

1. Online Aptitude + Subject Test:

- Consisted for 5 subsections, including aptitude(mandatory).
- You were given the option of choosing any two subjects from Physics, Math, Chemistry and Biology (all at 12th grade level).

2. Interview Round:

- Little to no resume involvement. However, you may be asked whether you have had any teaching experience, and if you do, will be asked about it.
- You can choose a particular subject and will be quizzed on the same. Your specific topics may be initially chosen but will be covering the entire subject.
- You will be asked to pick a subtopic of your choice and explain it in layman's terms. I picked thermodynamics and had to explain what a Carnot engine was.

When did you start seriously preparing? How did you go about it?

- I spent some time in the week before the interview process taking tuition classes for students in 11th and 12th grade in physics.
- This helped the most in prepping for the interview as no serious engineering concepts were required.

Important CDCs and Electives

- None. If you made it to BITS and remember enough from the entrance coaching days, you will be ready. Just brush up on the theory (especially for physics) since you will be quizzed on multiple subtopics extensively.

Topics/ Skills essential/ recommended for selection

- Learn how to effectively communicate, and be strong with your basic sciences.



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Projects that helped (if any)

None

Sources of Preparation

DC Pandey, HC Verma

Important Tips

The interview becomes more in your favour if you have done any work involving content development. So if you have any experience writing articles, content development for pages, etc, do try to bring it up in an interviewer might think you are already suited for the role.



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Name: Meher Gajula

ID NO: 2017AAPS0339H

Profile: Content Developer

Company : Byju's

Recruitment Procedure:

1. Written test:

- It's a 2-hour webcam proctored test.
- It has a total of 5 sections but we are asked to answer only 3 (1 Aptitude + 2 sections of our choice among Maths, Phy , Chem and Bio).
- There was negative marking which is important to take note of.

2. Creative Writing & Interview:

- Around 30+ got shortlisted after the written test, we were asked to do two things prior to the interview. To write an alternate ending to a movie and to describe a process. Any process of our choice. I love Photography, so I went with that one.

3. Interview:

- This was more like a HR round for me, he asked me why BYJU's? How do I rank a few given qualities? How can I add value to the company? What is the best thing about me? I was honest and confident, it went well.

When did you start seriously preparing? How did you go about it?

- I couldn't get my PS in Sem 1, so I had to sit for placements with a little amount of preparation. I was trying for both non tech and tech roles.
- I prepared all the mainstream stuff which is needed for coding interviews, non tech placements etc.
- The thing which helped me is to not worry about the left-over portion and to complete topics one by one, many tend to complete everything in 20 -30 days, which might work for some but it causes anxiety in my case. So, yeah focusing on each topic helped.
- Also, sticking to one particular sector (tech/non tech) would be helpful as you will have more time to prepare



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- Coding, Aptitude, Communication Skills are helpful. Good IT projects will definitely help and you will have things to talk about in the interview. Stay calm. You will get placed.

Topics/ Skills essential/ recommended for selection

Coding, Aptitude, Communication Skills

Projects that helped (if any)

- Good IT projects will definitely help and you will have things to talk about in the interview.

Sources of Preparation

- Coding - Interview bit/ LeetCode / GFG
- Aptitude - Any CAT material, Case Studies (From famous books)

Important Tips

Stay calm. You will get placed.



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Name: KESIM SETTY RAM TARUN

ID NO: 2017AAPS0349H

Profile: Content Development

Company: Byju's

Recruitment Procedure:

1. Online Test

- You have to choose 3 sections out of 5 sections (Aptitude, Maths, Physics, Chemistry, Biology).
- All are MCQ type questions.

2. Assignment

- People who got shortlisted after an online test will be given a "Creative Writing" assignment with a deadline.
- No one got rejected after this round

3. Interview

- Before the interview day, you'll be given a form to fill and you have to choose a subject for the interview. (You have to choose one subject between Math, Phy, Chem & Bio)
- Interview will be completely on a single topic on the subject you have chosen (Eg: Geometry, Kinematics)
- Topic will be of your choice (Interviewer will ask you to choose a topic at the start of the interview)
- Few HR based questions

When did you start seriously preparing? How did you go about it?

In my 4-1

Important CDCs and Electives

Topics/ Skills essential/ recommended for selection

Needed to be strong on one subject in MPC & Bio (+1, +2 Level)

Important Tips

- Prepare thoroughly on the topic you choose (Including theorems and proofs)



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Name: MOPIDEVI VENKATA SAI REVANTH

ID NO: 2017AAPS0280H

Profile: Associate Content Developer

Company: Byju's

Recruitment Procedure:

1. Objective Test Round:

- The proctored written test had four sections - Aptitude, Maths, Physics and Chemistry.
- The test was along the lines of BITSAT and the level of difficulty was easy-moderate. Speed and accuracy both matter in the round.
- Around half the applicants were filtered in this round.

2. Subjective Round:

- The qualifying candidates were asked to write a 500-word paragraph narrating a known fictional story with a twist. This was to mainly test one's basic grammar and narration skills.
- The second part entailed making an illustrative explanation of any menial task like preparing a dish, cleaning a room etc., to test candidates' creativity.

The final interview round was supposed to be partly based on these submissions, although mine was never actually brought up in the interview. I had also failed to submit the second part despite finishing it due to connectivity issues, but it seemingly did not matter. It's safe to assume that all those who had submitted within the deadline advanced to the final round.

3. Interview Round:

- Pick a subject from Maths, Physics and Chemistry.
- The round mainly tests your subject expertise and your ability to imbibe the same in simple and interesting ways. Expect some JEE level questions in the round that needs to be solved in the interview.
- Strong conceptual understanding and problem-solving skills are necessary to impress the interviewer.



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- Communication skills and basic compatibility with the company is also tested.

When did you start seriously preparing? How did you go about it?

- I did not prepare for the company. If you have a decent BITSAT/JEE score and can communicate effectively, chances are you'll get placed in the company easily.
- A quick revision of NCERT may help, given the paucity of time between the second and third rounds.

Important CDCs and Electives

All compulsory maths courses, Mechanics, Oscillations and Waves, Thermodynamics and Chemistry

Topics/ Skills essential/ recommended for selection

Communication skills, Presentation skills & +12 Maths, Physics and Chemistry

Sources of Preparation

NCERT

Important Tips

- If asked to pick any topic from your choice of subject (PCM), always choose the one you are fully confident in. Do not pick a difficult topic just to impress the interviewer.
- The interviewer mainly tests if you have the ability to arrive at solutions logically, given the knowledge and resources.
- You will not be expected to remember all the concepts you have studied four years ago.





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Name: Joel Kundu

ID NO: 2017ABPS1399H

Profile: Associate - Content Development

Company: Byju's

Recruitment Procedure:

1. Online test:

- It is of three sections. One being aptitude and the other two can choose from a set of subjects that included maths physics chemistry and biology. The questions in each section are challenging but from class 11 and 12 syllabi.

2. Interview :

- to check proficiency in a subject of my choice. Included a few HR questions.
- The interview starts from the basics of the subject you chose and ends up touching almost every topic taught in class 11 and 12.

When did you start seriously preparing? How did you go about it?

- When I cleared the online test. Revised via online notes.

Important CDCs and Electives

- 1st year foundation courses of the subject you choose

Topics/ Skills essential/ recommended for selection

- Subject proficiency, communication and presentation skills, aptitude and problem solving skills, critical thinking

Sources of Preparation

- Online formula notes
- NCERT summary

Important Tips

Treat the interview as more of a discussion on the subject rather than a viva.



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RAAM
GROUP

Company Name: RAAM Group

Eligibility: B.E All (Except CS)

CGPA cut off: None

Roles: Management Trainee

Selects: 2

Selection Rounds: 5

CTC: 480000



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Birla Institute of Technology & Science, Pilani
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Name: RABISHANKAR PANIGRAHI

ID NO: 2017A4PS0792H

Profile: Management Trainee

Company: RAAM Group

Recruitment Procedure:

- RAAM group is an umbrella organization which manages various dealerships (mostly automobiles) and takes over its logistics, management, sales and after sales for some cut of the dealership profits. Their biggest dealerships are Mercedes Benz and MG in Hyderabad and Vizag.
- The first round of this job profile was a resume shortlisting in which most if not all who applied got selected.
- This was followed by a ppt which was pretty well organized actually. During this ppt it was made clear that the job profile was majorly sales management. So, they were looking for people who could start in sales and further down the line could be given responsibility for a key management position in the company.
- So, the second round being a sort of personality assessment round was particularly important for selection. About 22 people got to attend the further rounds.
- The second round consisted of a questionnaire sheet. Most of the questions delved into assessing the applicant's preferences and future goals, 'where do you see yourself in 5 years' kind of questions.
- The ppt that they gave earlier was pretty important for this round because I could mould my responses according to what the company wanted from the applicants.
- The third round was a telephonic round which for me lasted 23 minutes. It was equal parts reasoning and HR round. About 10 people qualified this round.
- Finally the last HR interview video round. This round was mostly what it sounds like for about 10 minutes. The next fifteen to twenty minutes the interviewer tried to test my logical reasoning and then followed it up with a situational case study type question.



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- One of the questions was- "Suppose at an event you organize, to prevent any undue media attention you decide not to call a political connection of yours. But he finds out anyways and is now furious and is threatening to cancel your permit, and you being a new company cannot afford to do that. How will you solve this problem." 2-3 more such questions were asked on the same lines.
- The entire interview went on for about an hour. And at the end of the rounds two people were finally selected.

When did you start seriously preparing? How did you go about it?

- I started preparing right from the beginning of the placement season. The portal provided by the placement unit was especially helpful in that.

Important CDCs and Electives

- Production Planning and Control
- Lean Manufacturing
- IC Engines
- Principles of Economics
- Engineering Optimization

Topics/ Skills essential/ recommended for selection

- Problem Solving ability (on the lines of CAT preparation)
- Case Studies
- Guesstimates

Projects that helped (if any)

My formal projects did strengthen my profile a bit-

- "Microalgae from biodiesel" under Sandeep Deshmukh sir
- "Aerofoil behaviour in wind tunnel" under Pardha S Gurugubelli sir.





Sources of Preparation

- The materials provided by the Placement unit were especially helpful. Apart from that, I just YouTube my way out of any doubts.

Important Tips

- Just try to relax before the tests. Most of the factors in placement are not in your control. Your preparation is the only thing you can have any say over. Don't think about anything other than what to prepare.
- Luck is a big part of these things. So, don't get bogged down on getting rejected in any application. An offer may be just round the corner. So, keep calm and get placed. ;)





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ExxonMobil

Company Name: Exxon Mobil

Eligibility: B.E. Chemical and B.E. Mechanical

CGPA cut-off: 6.75

Roles: Upstream Engineer, Project Engineer

Selects: 2

Selection Rounds: 3

CTC: 1072000



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Name: Rohan Barbade

ID NO: 2017A4PS0342H

Profile: Project Engineer

Company: Exxon Mobil

Recruitment Procedure:

1. Online Test:

- 90min test with 3 sections – Aptitude, Reasoning, Mechanical engineering
- Mechanical questions more based on thermal side
- Many people rejected

2. Group Discussion:

- In a group of 8-10 candidates
- Current Affairs and General Topics
- Judged based on quality of mentioned points and team spirit

3. Interview:

- Only Resume based
- Questions about projects and internships, to check discipline knowledge.
- Good Life ethics and HR questions

When did you start seriously preparing? How did you go about it?

April 2020. Prepared GATE Syllabus for technical questions and CAT aptitude and reasoning.

Important CDCs and Electives

- Applied Thermodynamics
- Heat Transfer
- Fluid Mechanics
- Mechanics of Solids
- IC Engines

Topics/ Skills essential/ recommended for selection

- Thermodynamics



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Projects that helped (if any)

- All internship projects

Sources of Preparation

- GATE and CAT books.

Important Tips

- The syllabus for the interview is your resume only.



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Name: Aditya Marwah

ID NO: 2017A4PS1477H

Company: ExxonMobil

Profile: Global Planning Analyst

Recruitment Procedure:

The process was shorter this year with only a GD and Personal interview round. However the last time Exxon had come for this role they had taken a written test as well.

1) Group Discussion (GD):

Divided into a group of 8-10 people and given a topic to discuss upon. Pretty much like every other GD, the topic could be anything but be sure to read a little bit of news (just spend 4-5 hours) from recent times.

- eg - A friend had a GD topic about the recent changes in the Pharma industry regulations, my group had a simpler topic - "Positive aspects of the Coronavirus", so would suggest not to take a chance and read up on the basics of major events.

As for the soft skills for the GD, try to start it if possible (fine even if you don't), people will keep trying to speak and if you start speaking at the same moment as someone else I would suggest to keep speaking for about at least 5 seconds and not backing down so that the other person eventually stops speaking.

So basically:

- Read up on news (major events)
- Try to start the GD (Not necessary)
- Do not back down when multiple people start speaking together.
- Don't be rude, try to encourage people to speak.
- They will ask everyone to conclude in the end - Make sure to name some participants and express how much you liked their points.

2) Personal Interview (PI)

- This was a pretty general interview, not a focus on the technical/core subjects or projects unless you specifically mentioned them in your "tell me about yourself".



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- My resume to be honest was not at all core oriented and was more Non - Tech focused.
- Questions were basically like:
 - 1) General Questions like "Tell us about yourself", "How do you view failure" etc.
 - 2) Questions could be on any part of your resume, could be extracurriculars or POR or hobbies. Be prepared and even if not entirely true, try to answer with confidence.

For the Interview the best suggestions I have would be

- Always speak with confidence. Ask for a moment to think and then answer confidently. It's okay to say you don't know also.
- Keep a smile on your face (Don't get creepy, but keep a genuine smile). It'll lighten the mood.
- If the interviewers introduce themselves at the start of the interview thank them for that before introducing yourself.
- Speak fluently, I think speaking and communication skills are more important here rather than any other technical skills.

When did you start seriously preparing? How did you go about it?

For this profile, I don't think any preparation was needed other than going through your resume and a bit of news for the GD. But generally for Non-tech placements I would say 2 - 4 weeks would be a good time.

For Non - Tech I would suggest to do:

- Basic Aptitude (should not be too difficult)
- Do a few case studies and guesstimates.
- Learn SQL and practice writing some queries. (Will help in off campus also)
- Learn Python to an extent - Basic syntax stuff (Trust me, should take less than 2 weeks). But I personally didn't learn python.
- Work on your communication and confidence (Give mock interviews with people if that helps you).
- Know your resume so that you are able to answer any questions related to anything on that.





Important CDCs and Electives

- Could be asked about Lean, SCM or some core courses. But only if you mention those on your CV or in your introduction. But remember this is not a core profile and they are not interested in your technical knowledge.

Topics/ Skills essential/ recommended for selection

- Only skills for this profile would be
- Confidence
- Fluency and communication skills
- How comfortable you are with your Resume

Projects that helped (if any)

Did not help me, but if your interviewer picks it up (Could be a finance project as well), be sure to know enough about it to convince them of what you have done.

Sources that helped in preparation

Although I did not prepare specifically for this profile, I would say

- Give mock interviews (not with friends if possible)
- Know about your resume

Important Tips

Remember that the placement season is very much luck based (especially for Non - tech). So don't get disheartened by any rejections and try to relax and keep calm (I know it's difficult).

Hope all of you get good offers!! All the best!!





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Company Name: L&T Limited

Eligibility: CS, ECE, EEE & EnI

CGPA Cutoff: 6

Roles: Data Engineer

Selects: 7

Selection Rounds: 3

CTC: 600000



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Name: VISHWESH MUDALIAR

ID NO: 2017A4PS0286H

Profile: Graduate Engineer Trainee (GET)

Company: L&T Limited

Recruitment Procedure:

There were three rounds- resume shortlisting, online test and a final interview.

1. Resume shortlisting:

- A CGPA above 7 shall get you through this round.
- On your resume, mention courses and projects relevant to the core industry.
- Having done your PS1/PS2 in the core sector is a plus point.

2. Online test (Aptitude & Technical):

- This was a 2-hour test having 4 sections: Quantitative, Logical and Verbal along with Technical. The difficulty level for the aptitude section was moderate and quite similar to tests provided by PU for aptitude.
- The technical section had direct questions, some of which were memory based. It was mostly theoretical with very little numerical.
- You can expect a good number of questions from applied thermo, solid mechanics and production techniques.
- You can ace the technical section by referring to your class notes or any GATE preparation book.
- Make sure you have good speed and accuracy as you roughly get 1 minute per question.

3. Final interview:

- This was a precise 15-minute interview for every candidate. I was given a topic and given 1 minute to organize my thoughts and then I had to speak about it for 2 minutes. After this, I gave my introduction.
- Then the interviewer asked me about my favourite subject followed by a series of questions on it.
- For the questions that I couldn't answer, I honestly admitted that I am not sure about the answer.



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- After this, the interviewer asked me some questions on CDCs.
- He then asked me about the projects I have done. I gave him a brief of my PS1 and my on-campus projects following which he asked me to talk about my one strength and one weakness and then concluded the interview.

When did you start seriously preparing? How did you go about it?

- I was in my PS2 when L&T visited our campus. I started my preparation for the core sector as soon as PS2 started in august.
- I started by going through the CDCs one by one, followed by the disciplinary electives and my projects. I referred to my class notes and googled the rest.
- I made sure that I know all the basic equations and working principles.
- I made a write up for all the electives and projects which mainly included stuff like course content and learning outcomes. This came in handy during the interview when I was asked to brief about my projects.

Important CDCs and Electives

- Make sure you have a strong grip on at least 2 subjects of your choice.
- Apart from these, you should know the fundamental laws and equations for other CDCs like mechanics of solid and applied thermodynamics (2nd year CDCs).
- Usually, the interviewer will ask you about your favourite subject and about the CDCs related to the domain of the company

Topics/ Skills essential/ recommended for selection

- Be confident. Having good communication skills is a plus. You should be clear with your thought process. Be ready to justify the answers that you give.

Projects that helped (if any)

- Having done a core internship in PS1/PS2 gives you an edge as you already have a fair amount of idea as to how things work in the core industry.
- Having done LOPs and DOPs gives you a chance to portray the depth you have in a particular subject.





Sources of Preparation:

- I mostly referred to my class notes and textbooks.
- Other than that, I used to google the topics and watch animations to get a clear idea of how things work.
- You can also refer to any GATE material for the basics as well as detailed study of topics.

Important Tips

- The topics for extempore are pretty general and don't require any prior preparation. You can read about common GD topics online and that should suffice.
- A CGPA above 8 is very good. Try not to go below 7.
- Don't lie on your resume. There is no way you can fool the interviewer. Make sure that you know each and every thing you write on your resume. Your resume is like the syllabus for the interview. Be clear about why you did a particular elective or project and what you learnt out of it.
- In the interview, rather than throwing random guesses at the interviewer, it is best to accept that you don't know the answer to a particular question. That is perfectly fine. No one knows the answer to every question.
- In the end, it's all about your attitude, so try to maintain a positive attitude throughout the interview. Don't panic if things don't go your way. Just be calm and confident, and think before you answer.





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Name: Divy Dwivedi

ID NO: 2016B4A40521H

Profile: Software Developer

Company: L&T Limited

Recruitment Procedure:

1. Online Test: This round consisted of five sections.

- The first section was about behavioral questions.
- The second section was the coding round consisting of two questions which were fairly easy.
- The third section tested proficiency in English by oral and written questions.
- The fourth round was an essay writing round
- The final round was a personality test. All in all the online round was pretty easy to clear if given patiently.

2. Technical Interview:

- Technical interview was a discussion about an overall technical knowledge I had.
- The interviewer asked me in detail about my projects and my motivation in doing them. He asked what was the reason that I wanted to switch to an IT job from a mechanical side. This round was mainly based on the resume.

3. HR Interview:

- The HR interview was a long detailed conversation about the reasons why I want to switch from a mechanical side to IT side.
- He gave me situational problems and asked my approach. It was really a personality test.

Important CDCs and Electives

- DBMS
- OS
- Data Structures and Algorithms
- OOPS
- System Design



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Topics/ Skills essential/ recommended for selection

Competitive Coding, OOPS

Sources that helped in preparation

GFG's 'DSA self-placed' is an excellent source to study DSA, Interviewbit, Leetcode, coursebooks are enough for OS and OOPS.

Important Tips

- Be thoroughly prepared with your resume. Be ready for all kinds of questions involved with that.
- You should know the motivation for your projects and think of the ways how that can be applied to working for that company.



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