



**BITS** Pilani  
Hyderabad Campus

# SEM 1 FTE CHRONICLES AY 22-23



innovate

achieve

lead

## TABLE OF CONTENTS

S No.	Company	Pg No.
1	Adobe	4
2	Amazon	14
3	AMD	25
4	Amdocs	30
5	Aspect Ratio	33
6	Atlassian	37
7	Axxela Advisory Services LLP	41
8	Blend360	47
9	BNY Mellon	49
10	Cashfree Payments	58
11	Cisco	61
12	Cropin	73
13	Dolat Capital	77
14	Dover Corporation	81
15	Exxon Mobil	84
16	Fiorano	89
17	Fischer Jordan	91
18	Gale	93
19	GE Healthcare	98
20	Google	100
21	Groupon	106
22	HP	109
23	Infra.Market	111
24	Intuit	114



25	Kuvera	119
26	Lookout	122
27	Mashreq	124
28	McKinsey & Co	130
29	Merilytics	133
30	Microsoft Corporation	142
31	Miko	149
32	Navi	152
33	NCR Corporation	159
34	NXP Semiconductors	161
35	Nykaa	168
36	O9 Solutions	177
37	Park Plus	179
38	Piramal Group	182
39	Providence India	190
40	Publicis Sapient	197
41	Qualcomm	202
42	Reliance Industries Ltd	213
43	Samsung	220
44	Sedemac Mechatronics	226
45	Shield	229
46	Swimlane Inc.	234
47	Tenstorrent Inc.	239
48	Tesco	242
49	Texas Instruments India	244
50	Truminds Software Systems	246
51	Udaan	249





52	Visa	253
53	Western Digital Sandisk	261
54	Zlti	263





## Adobe

**Eligibility:** B.E. CS, ECE, EEE, ENI.

**CGPA Cut-off:** 7

**Roles:** Member of Technical Staff

**Selects:** 6

**Selection Rounds:** 3

**CTC:** 41 LPA





**Name:** Akshat Sharma

**CGPA:** 8.36

**Role:** Member Technical Staff

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

The online test consisted of 2 questions. Both questions had separate points for each test case. Candidates who scored the most points overall (including both questions) got selected.

### **Recruitment Procedure:**

There were a total of 3 rounds - Online test + 2 interview rounds.

**Round 1: Online test** - Consisted of 2 questions. The difficulty level of the questions was around leetcode hard. One of them required an optimization of Trie but even brute force passed all test cases for it. The second question was graph-based.

**Round 2: Interview Round 1** - The interviewer was pretty chill. He first asked me to give a quick introduction about myself and then we started with the questions. He asked me 3 DSA questions. The difficulty level was around leetcode medium. After giving me each question, rather than directly jumping on to the code, he first asked me my approach in solving those questions and what data structures I would need to solve the question. After discussing my idea and the time complexity, he asked me to write down the code. After writing the code, he gave me some test cases to check whether my code is working on all test cases or did I miss some edge cases. The round lasted for around 40-45 minutes.

**Round 3 : Interview Round 2** - This round did not have any questions. At the outset only, the interviewer informed me that there will be no questions in this round and that he is just here to have a conversation. The interviewer asked things about myself and we discussed various things ranging from Hyderabadi food to Bangalore's traffic. In the end, he asked me to solve a chess puzzle. The round lasted for around 20 minutes.

### **When did you seriously start preparing?**

I started preparing for SI after my PS-1 but couldn't continue with my DSA preparation because of my regular EEE subjects. I did some basic DSA





whenever I had free time during my 3rd year. And so by the summer holidays of my 3rd year, I had a pretty good understanding of basic data structures. After the compres were over, I started doing leetcode and participating in contests on codeforces. While practicing DSA, the focus was majorly on DP and graphs.

**Topics/ Skills essential/ recommended for selection:**

- 1) DSA - Most important
- 2) OOPS
- 3) OS and DBMS (if you are from a non-CS branch, you may need to do this on your own. There are plenty of resources available on YouTube for ex - Gate smashers, etc.)

**Sources that helped in preparation:**

- 1) Leetcode for questions solving
- 2) GFG for interview experiences.
- 3) Interviewbit for revision of OOPS, OS and DBMS concepts.

**Important Tips / Suggestions:**

DSA is of utmost importance. Try to solve as many questions as possible. Complete OOPS, OS by your 3-2 so that you get ample amount of time in your summer break for DSA. Before sitting for any interview, go through the interview experiences of that company on GFG. It will give you a quick insight into the type of questions the company generally asks.

And just chill!!!! Don't stress too much. Tumhari placement arram se ho jayegi!!!





**Name:** GAURVIT KUMAR

**CGPA:** 8.39

**Role:** MTS-1

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- Resume Shortlisting
- Written Test (Programming problems + MCQs)
- Two Technical Interviews

**Recruitment Procedure:**

**Coding Test:** Two programming problems and 5 MCQs were given to be solved in one hour.

**Technical Interview-I:** Questions were asked based on OS, and OOP concepts, as well as some easy coding problems were given.

**Technical Interview-II:** Questions were based on OS, medium coding problems, a few questions on experience/projects and some HR interview questions.

**When did you seriously start preparing?**

Serious preparation started in 3-2, focusing mainly on CS fundamentals and practicing DSA programming problems.

**Topics/ Skills essential/ recommended for selection:**

- Main skills: DSA, OS, OOP, DBMS
- Having a good grasp on the CS fundamentals and good problem-solving skills.
- Ability to communicate well
- For projects, having a few SD projects revolving around the above-mentioned topics is sufficient.

**Sources that helped in preparation:**

1. Code Studio (CodingNinjas)
2. Leetcode
3. Codeforces





**Name:** Praneet Sai Madhu Surabhi

**CGPA:** 8.64

**Role:** Member Of Technical Staff

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

During the initial phase of resume shortlisting, candidates who met the CGPA cutoff and branch requirements were granted permission to proceed to the subsequent rounds of the selection process.

### **Recruitment Procedure:**

There were 4 rounds in total:

**1st Round:** In this round, candidates were shortlisted based on their CGPA and branch criteria.

**2nd Round:** Online Round: This round consisted of five objective questions on probability and statistics, along with three medium-level coding questions. The coding questions focused on greedy algorithms and dynamic programming. To proceed to the next round, candidates needed to answer all three coding questions correctly.

**Interview round 1:** During this round, the interviewer asked me to provide a summary of my projects. They also assessed my understanding of object-oriented programming concepts(OOPS) and in-depth knowledge of operating systems(OS). Additionally, I was asked about the disadvantages of using Java. The interview concluded with a coding problem related to linked lists.

**Interview round 2:** The second interview began with the interviewer explaining a scenario involving a large file that couldn't fit entirely into the RAM. I was then asked to outline my approach to this situation. Although I proposed a paging approach, the interviewer was seeking a cache-based solution. Consequently, I was requested to code an LRU (Least Recently Used) cache implementation with constant-time operations ( $O(1)$ ). I successfully answered all of the interviewer's questions and received the job offer on the same day.





### **When did you seriously start preparing?**

I began my preparation after completing the 3-2 semester exams. I dedicated my time to practicing numerous DSA (Data Structures and Algorithms) based questions on platforms like InterviewBit and LeetCode. A few days before the interview, I focused on preparing for Object-Oriented Programming (OOPS) and Operating Systems (OS).

### **Topics/ Skills essential/ recommended for selection:**

For this particular company, a strong understanding of Object-Oriented Programming (OOPS) and Operating Systems (OS) is crucial. Pay special attention to topics related to storage, such as cache and paging, as well as deadlock-related concepts. It is highly recommended to thoroughly study OS before appearing for the interview round.

### **Sources that helped in preparation:**

<https://www.geeksforgeeks.org/must-do-coding-questions-for-companies-like-amazon-microsoft-adobe/>

<https://www.interviewbit.com/operating-system-interview-questions/>

<https://www.javatpoint.com/java-oops-concepts>

### **Important Tips / Suggestions:**

Based on my personal experience, I would advise you to prepare diligently as mentioned above and then leave the rest to fate. As someone who didn't anticipate receiving the offer, I can assure you that maintaining confidence and not losing hope is crucial.





**Name:** Swastik Barpanda

**CGPA:** 8.44

**Role:** MTS 1

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

**1st Round:** The first round consists of an online assessment.

**2nd & 3rd Round:** These rounds consist of one interview each.

**What were the selection Criteria?**

Online Assessment.

2 virtual interviews.

**When did you seriously start preparing?**

I started after 2-2 while preparing for SI interviews, but I didn't get selected for Summer Internship.

**Topics/ Skills essential/ recommended for selection:**

Data Structures Algorithms.

Problem-solving skills.

Knowledge of Operating Systems to some extent. In my case, some puzzles were also asked.

**Sources that helped in preparation:**

- LeetCode
- GFG
- InterviewBit
- Striver's SDE Sheet (must do)





### **Important Tips / Suggestions:**

DSA is a must for any product-based company. Adobe is no exception. Apart from that, Adobe also focuses on Operating Systems. Practicing LeetCode thoroughly is sufficient to meet the requirements in Data Structures and Algorithms. The online assessment is of LC medium/hard level. The questions asked in interviews were mostly LC medium (all from Striver's SDE sheet). I was also asked some puzzles in the second interview round. GFG is a good source for preparing puzzles and core CS subjects such as OS, OOPS, etc.





**Name:** Shashwat Srivastava

**CGPA:** 8.02

**Role:** Member of Technical Staff

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Branch Eligibility - B.E. (CS, ECE, EEE, ENI)

**Recruitment Procedure:**

**Round 1: Online Coding Round**

It consisted of 5 MCQs based on probability and combinatorics. Additionally, there were two coding questions. Both were LeetCode hard levels. The first one was based on graphs.

**Round 2: Technical Interview**

Three DSA questions were asked. The questions were easy to medium level. I was also asked about one of my internships by the interviewer.

**Round 3: HR round**

I was asked to solve two puzzles. The first one was priests and devils. The second one was a modification of the first one.

**When did you seriously start preparing?**

I started preparing in 2-2 but discontinued when I got SI in 3-1. I resumed my preparation after 3-2 when I realized that the chances of getting a PPO were slim.

My go-to source has always been InterviewBit.

**Topics/ Skills essential/ recommended for selection:**

Graphs and Dynamic Programming

Solving puzzles

**Sources that helped in preparation:**

1. InterviewBit
2. GFG





**Important Tips / Suggestions:**

Prepare topics like Graphs, Trees, and DP seriously. Puzzles should be practiced on InterviewBit as most of the hard puzzles are challenging to get within the time limit on the first try.





## Amazon

**Eligibility:** B.E.(CS,ENI,EEE,ECE)

**CGPA Cut-off:** 6.5

**Roles:** SDE-1

**Selects:** 16

**Selection Rounds:** 4

**CTC:** 25 LPA





**Name:** Abhigyan Dwivedi

**CGPA:** 7.86

**Role:** SDE 1

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

Sound DSA knowledge. Alignment with Amazon's values and mission statement.

#### **Recruitment Procedure:**

A test round with 2 easy questions and a decision-based question was taken. This was followed by 3 interview rounds, each comprising 2 easy or 1 medium or 1 hard question. It was kind of a lottery. Questions were all DSA covering all topics.

#### **When did you seriously start preparing?**

I started preparing seriously midway through my SI around July and solved Leetcode questions.

#### **Topics/ Skills essential/ recommended for selection:**

Interviews were wholly based on DSA and no other CS concept was asked. Prepare to talk about your projects a bit for the 3rd round which is half HR and half tech. Keep in mind Amazon's mission statement and values while answering the test.

#### **Sources that helped in preparation:**

LeetCode and InterviewBit for DSA. Cover all topics, don't try to perfect a single one and lose time for the others.

Watching YouTube playlists such as Aditya Verma for dynamic and Hello World for graphs is also recommended.

#### **Important Tips / Suggestions:**

The process is doable even if you're not fully prepared. It has an element of luck, especially in the test where the selection criteria are vague.





**Name:** Ayush Tiwari

**CGPA:** 8.02

**Role:** SDE

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

1 coding round along with lifestyle assessment, followed by 3 technical interviews.

### **Recruitment Procedure:**

The recruitment process comprised of 4 rounds:

#### **Round 1: Coding Round**

There were two questions involving the use of the concepts taught in DSA, which were quite easy. Along with this, there was also a section on lifestyle assessment.

#### **Round 2: Technical Interview 1**

Revolved mostly around the project done by me, and a few HR-based questions. Two easy-to-solve questions from DSA were asked, related to searching and sorting of an array.

#### **Round 3: Technical Interview 2**

Similar to the first interview, this round too revolved around my project and HR. One question, related to the variation of queue and 2D array was asked, which was harder than the previous ones.

#### **Round 4: Technical Interview 3**

A hard to code question, similar to LFU cache was asked.

### **When did you seriously start preparing?**

I started preparing for the placements 2 months prior to the date of the first round. However, I wouldn't suggest the same. There is always scope for improvement if one starts preparing well in advance, and that's what I would advise.





**Topics/Skills essential/recommended for selection:**

1. DSA (maximum questions in the interview rounds were from this topic, so prepare accordingly)
2. OOPS
3. Interview skills (be confident!)

**Sources that helped in preparation:**

GFG courses





**Name:** Harshal Verma

**CGPA:** 7.97

**Role:** SDE-1

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

It is mostly based on DSA & Leadership Principles.

### **Recruitment Procedure:**

**Round 1:** Coding Test - 3 sections.

- i) DSA - 2 easy-medium problems.
- ii) Work Stimulation - You will be presented with various scenarios and select options for how you would respond to them.
- iii) Workstyle Assessment - Questions based on Amazon's Leadership Principles. The more your answers align with these, the more you chances of getting shortlisted.

**Round 2:** Technical Interview

3 Leetcode medium questions, two based on Binary Tree, one of dp some variation of Decode Ways problem of Leetcode. I had to code two of them. The other binary tree one had many approaches and the interviewer just told me to explain each possible approach. Also, we discussed my work in my previous internship.

**Round 3:** Technical Interview

Two coding questions, one of them was a variation of the Decode String Leetcode problem and another one based on Linked List. Here the interviewer specifically told me to give importance to code quality and take care of each possible edge case. Also, if you are using C++, there are differences in how pointers work in Java and C++. So, convey it properly to the interviewer as mine knew Java only. And two behavioral questions were asked.

**Round 4:** Technical Interview

2 Leetcode medium based on dp, binary search, and priority queue. Here the interviewer was also a bit confused as he typed some other questions and asked me to solve something else. So, before solving the problem,





just ensure you are both on the same page. Also, try to make test cases on your own before approaching the problem.

### **When did you seriously start preparing?**

Started before the Start of SI. I did Striver's Sheet, Love Babbar's Sheet, Leetcode Contests, Codeforces contests, and InterviewBit.

### **Topics/ Skills essential/ recommended for selection:**

DSA, OOP

### **Sources that helped in preparation:**

GFG, Codeforces, InterviewBit, both the above-mentioned Sheets, and lots of practice.

### **Important Tips / Suggestions:**

Go through the Leadership principles and write about how you relate to them in your previous internship.





**Name:** Muhammed Bilal

**CGPA:** 7.1

**Role:** SDE I

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA  $\geq$  6.5

**Recruitment Procedure:**

**Round 1:** Coding Test - 3 sections.

DSA - 2 easy-medium problems

Work Simulation - You will be presented with various scenarios and select options for how you would respond.

Workstyle Assessment - Questions based on Amazon's Leadership Principles. The more your answers are aligned with these, the more your chances of getting shortlisted.

**Round 2:** Technical Interview 1 -

Three medium level LeetCode questions, two based on Binary Tree, one based on Dynamic Programming which was a variation of a Decode Ways problem from LeetCode. I was required to code two of them and discuss the multiple approaches possible in the second binary tree problem with the interviewer. Work done by me in the previous internship was also discussed.

**Round 3:** Technical Interview 2-

Two coding questions, one based on Linked List and the other was a variation of the Decode String problem from LeetCode. Interviewer emphasized on the code quality and careful examination of each possible edge case. Differences in working of pointers in Java and C++ should be noted and explained to the interviewer as he/she might be proficient in only one of the aforementioned languages, as it happened in my case. In addition to this, two behavioral questions were also asked.

**Round 4:** Technical Interview 3-

Two medium level LeetCode questions based on Dynamic Programming, Binary Search and Priority Queue. Before solving the questions ensure that you and the interviewer are on the same page as there was a slight confusion in the question typed out and the question I was asked to





solve. I would recommend making test cases of your own before approaching the problem.

### **When did you seriously start preparing?**

I extensively used Interviewbit and Leetcode for my SI preparation whilst regularly participating in contests organized by Codeforces. The primary focus of my preparation was LeetCode.

### **Topics/ Skills essential/ recommended for selection:**

Comprehensive understanding of Data Structures and Algorithms especially the concepts of Linked Lists, Binary Trees, Binary Search, Dynamic Programming and Priority Queue. Be thorough with the skills/projects mentioned on your resume although I wasn't asked much about it.

### **Sources that helped in preparation:**

- LeetCode
- Interviewbit

### **Important Tips / Suggestions:**

Cover all questions from the list of Amazon questions on Interviewbit. Most of the questions are variations of them only. Also, do a lot of medium level Leetcode questions on different topics.

Practice writing neat code with proper variable/function names as Amazon focuses on your code quality. For behavioral questions, try to learn about Amazon leadership principles and follow STAR( Situation- Task- Action- Result) method to answer such questions.





**Name:** Shivam Agrawal

**CGPA:** 8.61

**Role:** SDE-I

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

The majority of the selection criteria are based on DSA. In addition, it is essential to have in-depth knowledge of the projects listed on the resume. Every technical round includes a behavioral question, and the answer must reflect at least one of Amazon's 14 leadership principles.

### **Recruitment Procedure:**

The hiring process consisted of four rounds: one online assessment and three technical interviews.

**Round 1: Online Assessment-** There were three sub-assessments in this round.

Assessment 1: Coding

Two Leetcode questions.

Level: Easy

Assessment 2 : Amazon work-life simulation

The evaluation process deviated from previous years' papers as it involved a virtual environment where participants were required to provide input, such as multiple-choice answers or ratings on a scale of 1-5, regarding real-life problems encountered by employees. The questions were dynamic and adjusted based on the individual's previous responses. The primary focus of the assessment was to evaluate the ability to analyze situations.

As an example, one question from the assessment revolved around a scenario where a team member deployed code without conducting testing. Multiple questions were presented to gauge how individuals would respond in such a situation.

Assessment 3: Behavioral Reasoning

In this assessment, 60-70 HR questions were presented, and your responses were evaluated according to Amazon's 14 leadership principles.





### **Round 2, 3, 4 : Technical Interview - I, II, III**

All three rounds followed the same pattern: two DSA questions and one behavioral question.

Each round began with a mutual introduction. After that, they either discussed my resume or went straight to DSA.

The DSA questions in every round were LeetCode easy-medium level, with most of them sourced from InterviewBit. If you have prepared thoroughly, there is a good chance you have already seen those questions. In such cases, don't jump to the solution right away; instead, try to analyze the question, ask for possible edge cases, and think out loud (which is crucial). When coding the question, try to use meaningful variable names, ask about input constraints, and clarify the return type of the final answer. The panel in Amazon interviews uses Amazon Live Code, which is a syntax-highlighted document editor; you do not have to run your code, so be as descriptive as possible in your code comments. Also, try to include everything you know about the problem, including its time and space complexity.

The behavioral question begins with a general opening such as "Tell me about a time..." and focuses on how you have used leadership principles in previous technical experiences.

It's recommended to cover a project mentioned on your resume, as the interviewer can quickly relate to the experience you're discussing and may ask follow-up questions about the project.

At the end of the interview, you will be given an opportunity to ask a question to the interviewer. Do not decline or ask a random question, as this question shows your curiosity and willingness to join the company. There are numerous videos and blogs on the internet about questions like this one [<https://www.youtube.com/watch?v=qxxm6XhrGIY>]. Select some and be prepared beforehand.

### **When did you seriously start preparing?**

I started seriously preparing in 3-2 after an unsuccessful SI season. I solved problems with InterviewBit, GFG, LeetCode, and Codeforces. It is not necessary to solve a large number of questions, however, solve some and try to revise them once in a while.





### **Topics/ Skills essential/ recommended for selection:**

- Familiarize yourself with key topics such as trees, maps, arrays, graph traversals, DP on Grid, and recursion.
- Practice coding exercises and problem-solving related to these topics.
- Ensure a thorough understanding of your resume, including the projects and experiences listed.
- Be prepared to discuss and provide detailed explanations of your resume during interviews.

### **Sources that helped in preparation:**

- For DSA:
  - GFG, InterviewBit, Leetcode, Codeforces
  - Striver DSA sheet
  - Aditya Verma YT channel for DP
  - CodeNCODE YT channel for graph
  - Atcoder DP contest
  - Abdul Bari
- For OOP/DBMS:
  - Gururaj Sir's lectures and slides
  - javatpoint.com
- For OS:
  - Barsha mam's lectures and slides
  - gatesmashers os playlist
- For Computer Networks:
  - Bits and Bytes of Computer Networks By Google  
<https://www.youtube.com/watch?v=veyNxHVfFq8>

### **Important Tips / Suggestions:**

- DSA is most important since this is the most asked topic in tests as well as interviews.
- For behavioral questions, try to learn about Amazon leadership principles and the STAR method to answer such questions.
- Try to do mock interviews with your friends or connections if you feel you are not able to solve questions in an interview environment.
- Also, try to speak out loud your approaches to questions while solving them; this will give you the confidence to do the same in the actual interview.





# AMD

**AMD**

**Eligibility:** B.E. (CS, ECE, ENI, EEE)

**CGPA Cut-off:** 6

**Roles:** New College Graduate

**Selects:** 14

**Selection Rounds:** 4

**CTC:** 27,40,000





**Name:** Abhay Patwari

**CGPA:** 8.25

**Role:** New College Graduate

**When did you seriously start preparing?**

After the 3-2 Compre about 7-8 weeks' worth of preparation  
Design slides + lectures, ADVD basics, Comp arch slides, Verilog, PU study material, Mock tests by PU, revise projects on resume.

**Topics/ Skills essential/ recommended for selection:**

Strong digital electronics fundamentals, Computer Architecture course

**Sources that helped in preparation:**

1. Digital Design: Chetan sir's slides and recorded lectures
2. ADVD: CMOS VLSI Design book by Weste, Harris. Digital IC Design playlist on YouTube by NPTEL
3. Computer Architecture: Chetan sir's slides
4. Verilog: book by Samir Palnitkar, Hardware Modelling using Verilog playlist on YouTube by NPTEL
5. PU study material and mock tests.

**Important Tips / Suggestions:**

Be sure to go through the basics thoroughly. Try mock tests or questions from anywhere and learn from mistakes. Go through the "Projects" section of your resume.





**Name:** LIKHITHA REDDY MANNEMELA

**CGPA:** 7.66

**Role:** System Software Engineer

**Mode of Offer:** On-Campus Placements

#### **Recruitment Procedure:**

**Total Rounds:** 4

##### **Round 1: Online Test**

In the online test, there were MCQs on Comp Arch, DSA, C++ and Aptitude. There was also a coding question on Postfix and Infix. All the sections were medium so needed to be very clear in basics.

##### **Technical Interview Round I:**

In this round, the interviewer started asking basics on Digital Design and then moved to building of gates and design. He also asked a coding question on arrays and C++.

##### **Technical Interview Round II:**

In this round, the interviewer asked questions on latches, setup & hold time and FSM. Later he asked some reasoning-based questions on basic math.

##### **Technical Interview Round III:**

In this round, there were two panel members who started asking questions on my resume and projects. Later they asked questions on flip-flops, testing of multiplexers and processors. The Interviewer was so helpful in building my answers as the questions started off with basics and built on those basics.

#### **When did you seriously start preparing?**

I started preparing from 3-1. Being in ECE, all my core subjects helped me to revise before placements and my electives helped me in answering the coding and software based questions.

#### **Topics/ Skills essential/ recommended for selection:**

Digital Design, Microprocessors(MPI course), C/C++, OOPS(Gururaj sir lectures), OS course.

#### **Sources that helped in preparation:**

For Digital Design, Sanjay sir lectures and lab practice were helpful and also Morris Mano's textbook too. For Microprocessors, Runa mam lectures and labs were helpful and Barry Brey's textbook. For coding based questions my





electives like OOPS, OS helped me as I revised my lecture slides before the interviews.

**Important Tips / Suggestions:**

Be confident in your basics and try to start your preparation as early as possible. Interviewers are so friendly so try to communicate with them and try to speak out what you have in your mind.





**Name:** Anantha Sai Satwik Vysyaraju

**CGPA:** 9.23

**Role:** Silicon Design Engineer - 1

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Basic GPA cut off, projects and internships if any.

**Recruitment Procedure:**

One subjective written test and two interviews.

**When did you seriously start preparing?**

I was performing my internship at TI a week prior to the placements. After the internship was up, I started the preparation by going to the basics and skimming through all the important topics for an interview quickly.

**Topics/ Skills essential/ recommended for selection:**

Digital design complete(cannot stress enough),

ADVD concepts like CMOS circuit design, static timing analysis, MOSFET basics. Computer architecture is an added advantage.

Be good with the basics of any HDL that you put on your resume.

Be thorough with any projects that you might have added to your resume.

If possible, look into the role of the interviewer and try to get some basics in that domain.

**Sources that helped in preparation:**

Technical Bytes YouTube channel.

Digital IC Design course initial lectures on MOSFETS by Proj Janakiram.

Check done interview experience videos to get good insights on the interview questions.

**Important Tips / Suggestions:**

Be as confident as you can with your CV because it can comprise the entirety of an interview.

Be calm during the interview; if you are lost on a subject, just explain how you got to that place, and the interviewer will assist you.





# amdocs

## Amdocs

**Eligibility:** B.E. (CS,ENI,EEE,ECE)

**CGPA Cut-off:** 6

**Roles:** Software Engineer Associate(Tentative Role)

**Selects:** 2

**Selection Rounds:** 3

**Stipend:** 10 LPA





**Name:** Satvik Sharma

**CGPA:** 7.68

**Role:** Associate SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

A round of online coding and multiple-choice questions, followed by two rounds of interviews, including HR.

**When did you seriously start preparing?**

I seriously started preparing in mid-July.

**Topics/ Skills essential/ recommended for selection:**

In DSA, there are trees and linked lists. Detailed overview of the OOPs idea and accompanying project. Basic DBMS interview questions.

**Sources that helped in preparation:**

InterviewBit, Leetcode





**Name:** Aditya Shrivastava

**CGPA:** 8.1

**Role:** Software Engineering Associate

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

### **Recruitment Procedure:**

#### **Round 1:**

The first round which is the coding round primarily consisted of easy questions and did not include complex topics such as Dynamic Programming or Graphs. The focus was on testing fundamental programming skills.

#### **Round 2:**

Moving on to the technical interview, the questions covered various subjects including Object-Oriented Programming (OOPS), SQL, and UNIX. However, since I lacked previous experience with UNIX, the interviewer adjusted the interview by asking me basic Data Structures and Algorithms (DSA) questions instead. While Java was the preferred language for OOPS and DSA questions, proficiency in C/C++ and Python was also deemed acceptable.

#### **Round 3:**

The HR round was a brief 10–15-minute formal discussion. It mainly involved conversing about my location preference and addressing any clarifications or questions regarding the role.

### **When did you seriously start preparing?**

Coding practice and a clear understanding of core-CS concepts are required, lecture notes and online resources should suffice.

### **Topics/ Skills essential/ recommended for selection:**

OOPS, SQL, UNIX programming.

### **Sources that helped in preparation:**

Dynamic programming - Aditya Varma, Tushar Roy, Tech Dose

### **Important Tips / Suggestions:**

Focus a lot on data structures (Trees, Graphs, LL).





## Aspect Ratio

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** Analyst

**Selects:** 1

**Selection Rounds:** 4

**Stipend:** 1400000





**Name:** Krishna Chaitanya Balabhadra

**CGPA:** 9.52

**Role:** Data Analyst

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

No CGPA cutoff

**Recruitment Procedure:**

**First Round:** Resume Shortlisting

**Second Round:** An online proctored aptitude exam (1 hour, 45 minutes) with quant, data interpretation, verbal, and three coding questions. Providing links to related questions:

- <https://leetcode.com/problems/best-time-to-buy-and-sell-stock/>
- <https://www.geeksforgeeks.org/program-for-factorial-of-a-number/>
- <https://www.geeksforgeeks.org/longest-palindrome-substring-set-1/>

**Third Round:** The technical interview (for around 1 hour) started with questions about the projects mentioned in the resume, followed by basic ML questions like assumptions for linear regression, confusion matrix, and metrics (F1 score, precision). Followed by a puzzle: find the minimum number of races to be conducted for 42 cars with six race tracks to find the fastest three cars.

Link for a similar puzzle:

<https://www.geeksforgeeks.org/puzzle-9-find-the-fastest-3-horses/>

Two application-based questions from probability and statistics were asked (the z-score and the central limit theorem for the normal distribution). Finally, an Excel-based question was asked (by sharing the screen): "To split a name into first, middle, and last name considering all edge cases using left, right, and find functions in Excel."

**Fourth Round:** Technical interview + HR (1 hour, 30 minutes) This round was more focused on how I approached the solution and I was allowed to use Excel to validate the approach mentioned.





**Q1)** Given the annual refrigerator sales for a company for two years, it was required to predict the monthly sales for the coming year. (open-ended business case study) started giving solutions by asking a few preliminary questions and then brainstorming some ideas. My interviewer was very friendly throughout the interview, giving feedback on the approach mentioned and pointing out the cons of the method mentioned. We finally came to the conclusion that we should use linear regression to predict sales for the next year. I was asked to validate the approach using Excel by sharing the screen.

**Q2)** Some probability statistics questions to find the level of inventory to be maintained for a shop, based on the maximization of profits the shopkeeper receives by maintaining different levels of inventory Overall, this round was to test problem-solving skills. The approach was more important than the final answer. Finally, a few common HR questions, like "Why do you want to become an analyst? What are your short- and long-term goals? Why Aspect Ratio?"

### **When did you seriously start preparing?**

By the end of 3-2, I had begun preparing for non-tech placements.

### **Topics/ Skills essential/ recommended for selection:**

Aptitude, Probability statistics, Python, and Case studies.

### **Sources that helped in preparation:**

- For Aptitude: PU resources are good enough to clear aptitude round.
- For Coding: Practice basic questions in Python from hacker rank (like brute force, math, and string manipulation)
- Probability statistics: Math F113 course is enough.
- Machine learning: Youtube tutorials followed this youtube channel (<https://www.youtube.com/playlist?list=PLZoTAELRMXVPBTrWtJkn3wWQxZkmTXGwe>) mathematical intuition is more important than implementing the algorithm.
- Puzzles: Go through all GeeksforGeeks puzzles (1-60).
- Excel: <https://excel-practice-online.com/> ( follow this you can simultaneously learn and revise by doing)



- For case studies: Check victor cheng 12 video playlist then practice from case compendium book and IIM-A case studies.

### **Important Tips / Suggestions:**

It would be beneficial to check their website to gain insight into the type of work they do. When explaining their approach, make sure to be concise and include any necessary assumptions. If you are faced with questions outside of your expertise, it is acceptable to admit that you don't know, as they do not expect a newcomer to have all the answers. Demonstrating a willingness to learn is a positive characteristic to exhibit.





## Atlassian

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** Software Engineer

**Selects:** 3

**Selection Rounds:** 3

**CTC:** 82 LPA





**Name:** A Rahul

**CGPA:** 8.84

**Role:** Software Engineer

**Semester Placed:**

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

**Recruitment Procedure:**

There were 4 rounds. As follows:

**Round-1:** Hackerrank Test: there were 3 coding questions in this round. 1 easy-medium level, 1 medium and 1 hard level. I think people who were able to solve all the 3 were selected for the interview.

**Round-2:** Coding Interview: The interviewer gave a question that can be solved using maps, then modified it so that it can be solved using map of pairs, then modified again which could be solved using map pairs of map and int. Only 1 question was asked of me and he kept on restructuring the same question. I first explained my approach and then coded it accordingly while communicating with him.

**Round-3:** System Design: Question was to design a system to generate unique ID in the format of numbers or alphanumeric. We needed to draw our design/approach on a blank file. First I explained the problem statement to him in a detailed way point-wise. Then discusses the requirements and user details. Then designed the database in a rough manner. Explaining the design using concepts like sharding and scaling helped me communicate better.

**Round-4:** Management and Values: This was basically an HR round. 2 panelists were there. They asked me about myself, what extra activities I did other than academics in my college, what values I like in Atlassian core values, what would you do if I did not get your comfortable tech stack for my project, what would you do if your manager is giving you proper work. They were basic HR questions, just give diplomatic answers.





### **When did you seriously start preparing?**

I started preparing seriously after 3-1. Even during my SI, I did not stop my preparations. Just be consistent even though you solve only 4-6 problems a day. My usual approach was, I solve the coding rounds in C++, so if I was unable to solve some questions, I used to watch its explanation in Python, so that 1. I can improve my Python skills and 2. I would not directly see the exact solution, I will only get the approach, so when I resolve the question next day in C++, the concept would be very clear as I code.

### **Topics/ Skills essential/ recommended for selection:**

3-4 good CS related projects, good DSA skills, basic System Design skills, medium level knowledge of DBMS and OS.

### **Sources that helped in preparation:**

For DSA, Bhanu sir classes and Raj Vikramadityas YouTube channel (takeUforward)

For DBMS and OS, Gururaj sir classes and notes.

### **Important Tips/ Suggestions:**

System design is an important part of Atlassian's interview process, go through a few mock interviews related to system design on Youtube, and get to know the basics of LLD and HLD. Be clear of the requirements of the problem before giving a solution. For DSA rounds and OA, it's pretty much the same as other standard companies.





**Name:** Manav Bhagchandani

**CGPA:** 8.9

**Role:** Software engineer

**Semester Placed:**

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Interviews (3 rounds)

**Recruitment Procedure:**

**Round 1:** 2 CC questions 2nd one was related to the first one.

I was allowed googling in the interview

1. Given time intervals, calculate for each hour the number of time intervals the hour fits in.
2. Given coordinates of rectangles for each integer point in the 2D-plane, count the number of rectangles that overlap at this point.

**Round 2:** Asked to do the system design for the library management system.

Showed the table structures.

And the api design -> api endpoints, functions in that endpoint and structure of the response.

**Round 3:** Talked about my summer internship, what was my project in the company, what was my approach to solve my problem, problems we faced while making my project, after finishing the internship, what could I do better. They gave me situations based on Atlassian values, how I take charge, etc.





## Axxela Advisory Services LLP

**Eligibility:** B.E. (ALL), Msc(ALL), B .Pharma

**CGPA Cut-off:** 5.0

**Roles:** Trainee Analyst, Trading Analyst

**Selects:** 3,1

**Selection Rounds:** 4

**Stipend:** 14.1 LPA





**Name:** Nishant Garg

**CGPA:** 7.52

**Role:** Trainee Analyst

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Consistent performance across rounds and CGPA greater than five.

**Recruitment Procedure:**

There were a total of 4 rounds.

**ROUND 1** - There were 50 speed math questions to be done in 5 minutes. Most questions were easy based on BODMAS, simple multiplication/addition. 18 students were shortlisted for the next round.

**ROUND 2** - There was a 36 minute test. First, there was a speed math section which consisted of 30 questions that had to be done in 6 minutes. In the next section, there were 25 aptitude questions and the time allotted was 30 minutes.

**ROUND 3** - The shortlisted students had to play a trading game. The aim was to predict the sum of a six-digit number and trade around that number to make a profit. There were six trading rounds of 2½ minutes each. One digit was disclosed after each round. A simple strategy to remember was to "buy low and sell high". At last, only two students were shortlisted for the interview round.

**ROUND 4** - The interview was basically a pressure test. They wanted to check whether you could handle pressure and maintain composure or not. I didn't have a finance minor, so there was no resume discussion, and no finance-related questions were asked.

Speed math questions such as the square root of 0.9 were asked.

A standard puzzle was requested directly from GeeksforGeeks.

My interests were cricket and geopolitics, so there was a 3 to 4 minute discussion on the China-Taiwan issue.





### **Standard HR questions:**

Why trading? Why Axxela? How much money do you want to make after 3 years? If not trading, then what?

### **When did you seriously start preparing?**

I started preparing seriously in July, but there isn't much preparation required for this particular company.

### **Topics/ Skills essential/ recommended for selection:**

Skills - Speed Maths, Aptitude, Communication skills, Stress Management

Projects - No projects are required as such

### **Sources that helped in preparation:**

**For Speed Math:** <https://www.mathtrainer.io/> and

<https://rankyourbrain.com/mental-math>

**For Puzzles:** GeeksforGeeks

**For aptitude:** PU's Examly portal

### **Important Tips / Suggestions:**

Work on your speed math and aptitude skills. Don't worry if you don't have financial knowledge. They test how you react to pressure situations and whether you are a risk-taker or not. The key is to not lose your composure and stay confident.





**Name:** S NITIN

**CGPA:** .19

**Role:** Trainee Analyst

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Interview based

**Recruitment Procedure:**

**Round 1:** Speed Math (Difficulty Level - Easy)

**Round 2:** Speed Math(Difficulty Level - Medium), Aptitude test

**Round 3:** Trading Round in the form of a game

**Round 4:** Personal Interview

**When did you seriously start preparing?**

1 month before the placement drive.

**Topics/ Skills essential/ recommended for selection:**

Speed Math, Sound knowledge about financial derivatives, world markets (mainly U.S.), and trading experiences.

**Important Tips / Suggestions:**

Stay confident with your answers during the interview.





**Name:** Utkarsh Tripathi

**CGPA:** 7.94

**Role:** Trading analyst

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Finance

**Recruitment Procedure:**

The recruitment process consists of four rounds, each assessing different skills and competencies:

1. First Round - Mental Math:

This round focuses on evaluating your mental math abilities. You may be presented with a series of mathematical calculations or problems that require quick calculations without the aid of external tools.

2. Second Round - Mental Math + Aptitude:

Building upon the first round, this round combines mental math with aptitude assessment. Apart from mathematical calculations, you may encounter questions that evaluate your logical reasoning, problem-solving skills, and critical thinking abilities.

3. Third Round - Trading Game:

The third round involves a trading game scenario. You might be given a hypothetical trading situation where you need to make decisions regarding buying, selling, or managing assets. This round assesses your decision-making skills, financial acumen, and ability to analyze market conditions.

4. Fourth Round - Interview:

The final round is an interview where you will have an opportunity to showcase your knowledge, skills, and experience. It could be a technical interview focusing on your domain expertise, or it may involve behavioral questions to assess your communication skills, teamwork, and problem-solving approach.





It's important to note that the specific details of each round may vary depending on the company and the nature of the position you are applying for. It's advisable to prepare for each round by practicing mental math, enhancing your aptitude, and researching the company's industry and trading concepts relevant to the position. Additionally, be ready to demonstrate your skills and experiences during the interview round by showcasing your expertise and aligning your responses with the requirements of the role.

### **When did you seriously start preparing?**

On the 15th of December, I commenced my preparation during the final month of Practice School. The primary focus of my preparation was directed towards enhancing problem-solving skills, engaging in case studies, and acquiring proficiency in programming skills utilized in quantitative analysis, such as SQL, Python, and Excel.

### **Topics/ Skills essential/ recommended for selection:**

In addition to possessing fundamental knowledge in finance (a minor in finance would be more than sufficient), no critical topics or specific skills are required for this role. However, the ability to think quickly and exhibit presence of mind is highly valuable.

### **Important Tips / Suggestions:**

It is essential to stay up-to-date with market trends, develop trading skills, have a strong aptitude for mental math, and familiarize yourself with interview questions on platforms like Glassdoor. Additionally, it can be beneficial to practice solving puzzles from resources like GeeksforGeeks (GFG) to enhance your problem-solving abilities.





# BLEND360

## Blend360

**Eligibility:** BE (All), M.sc.( All)

**CGPA Cut-off:** BE(All) , M.sc (All)

**Roles:** Data Scientist,Business Intelligence, Data Engineer

**Selects:** 1,0,0

**Selection Rounds:** 4

**CTC:** 12.5 LPA,





**Name:** Kushagra Chaturvedi

**CGPA:** 8.14

**Role:** Data Scientist

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Interview and Test.

**Recruitment Procedure:**

There were a total of 4 rounds.

**When did you seriously start preparing?**

I started seriously preparing in the 2nd semester.

**Topics/ Skills essential/ recommended for selection:**

Data Science and Algorithms.

**Sources that helped in preparation:**

LeetCode





# BNY MELLON

## BNY MELLON

**Eligibility:** BE (All), Msc (Chem, Eco, Math, Phy)

**CGPA Cut-off:** 6.0

**Roles:** Software Developer

**Selects:** 9

**Selection Rounds:** 4

**CTC:** 22,34,000





**Name:** Ayush Mandawgade

**CGPA:** 8.12

**Role:** Software Developer

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

The selection criteria for the recruitment process primarily focused on Data Structures and Algorithms (DSA). In addition to that, a deep understanding of the projects mentioned in the resume was also considered important.

### **Recruitment Procedure:**

#### **1st Round:** Online Test

The online test consisted of four coding questions, including one easy, two medium, and one hard question

#### **2nd Round:** First Technical Interview

The first technical interview mostly comprised easy to medium-difficulty questions. It was essential to effectively communicate your solutions to the interviewer, explaining them clearly. Taking a moment to gather your thoughts before answering a question is acceptable. It is important to remain composed and do your best to find solutions.

#### **3rd Round:** Second Technical Interview

Similar to the first interview, the second technical interview focused on easy to medium-difficulty questions. However, one question in this round was slightly more challenging. It was crucial to consider all edge cases in your solutions and write elegant code with meaningful variable and function names.

#### **4th Round:** HR Interview

The HR interview involved typical HR questions, such as introducing oneself and listing achievements. Additionally, I was asked about my aspirations for the next five years and why I believed I should be hired.





### **When did you seriously start preparing?**

I began preparing for SI after my 2-2 comprehensive exams, but could not clear any. Then I did CC in 3-1 and 3-2. I started seriously preparing for the summer vacation before 4-1. You should try to be regular with DSA, and try to solve 1-2 questions each day. Start preparing DSA as early as possible and do not spend more time on a particular data structure because as you practice higher difficulty data structures, they will help you revise basic data structures. So, don't get stuck in a particular data structure.

### **Topics/ Skills essential/ recommended for selection:**

1. DSA
2. Object-Oriented Programming (OOP) basic concepts
3. Operating Systems (OS) and DBMS basic concepts
4. Projects with API applications

### **Sources that helped in preparation:**

1. Dynamic programming - Aditya Varma, Tushar Roy, Take U Forward, Love Babbar
2. Love Babbar's 450 DSA questions
3. OS, DBMS, OOPS: Gate Smashers

### **Important Tips / Suggestions:**

It is crucial to have a strong grasp of the fundamentals and answer questions with confidence. If you encounter difficulties during the interview, do not hesitate to explain your thought process to the interviewer. They are likely to provide helpful guidance. Best of luck with your placements!





**Name:** Atharva Amod Dani

**ID Number:** 2019A7PS1213H

**CGPA:** 6.94

**Role:** SDE

### **Recruitment Procedure**

#### **Round 1:**

Online test- 4 coding questions were asked out of which one could be characterized as easy, two as medium, and one as hard.

#### **Round 2:**

First Technical Interview- four questions were asked based on OOPS and DBMS alongside two questions based on DSA. The questions involved converting binary numbers in a linked list to integers and strings.

#### **Round 3:**

Second Technical Interview- The second interviewer questioned me on merge sort and its time complexity with a problem on DSA.

#### **Round 4:**

HR Interview- The final round included some basic questions on myself and my goals followed by questions based on my projects and internships and then finally some behavioral questions.

### **Important CDCs and Electives**

DSA, DBMS, and OOPs were crucial to the selection process

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

Serious preparation began at the end of 3-2. I mainly relied on resources available on YouTube like Lov Babbar and Striver's SDE sheet. I also used YouTube to clarify any doubts I had.

### **What are some critical topics/skills essential for the process?**

Thorough Knowledge of DBMS, DSA, and OOPS is critical with internships and projects being the cherry on top.





### **Sources to help in preparation**

The sources I found to be most useful are:

- 1) YouTube
- 2) Geeksforgeeks
- 3) Leetcode

### **Your suggestion to help in the preparation**

Reading the company interview experience on geeksforgeeks is very helpful.





**Name:** Vamshi Duvva

**CGPA:** 7.64

**Role:** Software developer

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA = 6+

**Recruitment Procedure:**

**Coding Round**

Comprised of 1 easy, 2 mediocre, and 1 hard level question from DSA.

**3 Interview Rounds**

Questions were asked based on DSA, OOPS, projects and programming languages.

**When did you seriously start preparing?**

Started 3 months prior with interviewbit (for theory), gfg (for theory), neetcode.io (for theory), b.leetcode (for practice), and binarysearch.com (for competitions).

**Topics/ Skills essential/ recommended for selection:**

You should be proficient in DSA with strong contribution in projects or have a good understanding of projects mentioned in your resume.

**Sources that helped in preparation:**

1. Interviewbit (for theory)
2. gfg (for theory)
3. neetcode.io (for theory)
4. leetcode (for practice)
5. binarysearch.com (for competitions).

**Important Tips / Suggestions:**

Be very well versed in whatever projects you mentioned in your resume and practice behavioral type interview questions as well as core CS questions beforehand from the internet(Google).





**Name:** Jeevan Reji

**CGPA:** 9.33

**Role:** Software Developer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

The selection criteria was based on your understanding of the fundamental concepts of Computer Science and Machine Learning and Critical Reasoning Skills.

### **Recruitment Procedure:**

There were overall 4 rounds in the selection process- one coding test round followed by 3 interview rounds.

The coding round consisted of 4 DSA questions to be solved in 90 minutes- 1 easy, 2 medium and 1 hard problem.

The easy problem was based on a simple array traversal- I remember that even the brute force solution was passing all the test cases. One of the medium questions was

<https://leetcode.com/discuss/interview-question/1377265/hackerrank-question> and the other was a coordinate geometry problem similar to

<https://www.hackerrank.com/challenges/points-on-rectangle/problem> - both were fairly solvable . Finally. the hard problem was a problem based on String Formatting- I took the most time here.

In the first interview round, I was asked to implement the quick sort algorithm and I was also asked to solve a sliding window problem- both were fairly easy questions and I was able to solve them. I was also asked questions about OOPS and OS.

The second round was a pure ML round where I was asked questions on ML algorithms and Reinforcement Learning(as I had mentioned it in my resume). I was then asked to code the solution to a problem where I had to identify whether two pieces of text(one in english and one in dutch) were translations of each other based on correlation of vowel counts. It was a challenging problem, but I was given ample clues by the interviewer and I was able to get the solution.





The final round was a managerial round- I had an interview with a senior executive and Ma'am asked me questions about the projects on my resume and my overall experiences with software development as a student. It was fairly straightforward but one has to be thorough with all projects on resume.

### **When did you seriously start preparing?**

I started DSA in my 3-2 but most of my preparation was done in the 2 months after 3-2 ended and before placement season started. It was only then that I was regularly solving DSA problems in coding contests and Leetcode and InterviewBit. I studied the fundamental concepts of DSA from Coding Ninjas and learnt to solve Graphs and DP problems from Striver and Aditya Verma. The crash course conducted by the PU also helped me immensely to become comfortable solving problems. For OS and OOPS, I revised from my notes and the 50 interview questions available on InterviewBit. I learnt the concepts of DBMS from Gatesmashers- I feel they cover all the concepts required to crack interviews. For system design, InterviewBit came in handy.

### **Topics/ Skills essential/ recommended for selection:**

A fundamental understanding of DSA concepts is a must- the interviewers are looking to familiar you are with code and if you are able to implement the ideas you have into code. I also feel it is important for candidates to create a high level overview of the design in your head so that you always find the best solution to the problem-it is important you practice this as much as you can. Grasp on other computer science subjects such as OS,OOPS,DBMS,Computer Networks must also be strong. Also, please ensure you have some solid projects in the Computer science domain under your belt- this is highly important in the resume shortlisting phase.

### **Sources that helped in preparation:**

Coding Ninjas, Youtube, Striver, Leetcode, Blind 75, InterviewBit (topic wise FAANG questions), Gatesmashers, Aditya Verma DP





### **Important Tips / Suggestions:**

The name of the game is practice! Keep practicing as much as you can- most of the interview questions will always be a variant of some standard problems. Also, do not lose heart if you are unable to clear a few coding rounds- trust your abilities and be confident. Whenever you feel low, just stop what you are doing and spend time with your friends or family- they are in your corner. In the end, you will be placed :) All the best!





## Cashfree Payments

**Eligibility:** B.E (CS)

**CGPA Cut-off:** 7

**Roles:** SDE 1

**Selects:** 3

**Selection Rounds:** 5

**CTC:** 25.5LPA





**Name:** Chaitanya Chakka

**CGPA:** 8.8

**Role:** SDE-1

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

DSA, DBMS(SQL + DBMS core concepts), OS

**Recruitment Procedure:**

1(coding) + 3(technical interview) + 1(HR round)

**When did you seriously start preparing?**

I started my preparation around 1.5 months before the first company. I firstly hopped onto a study plan available on Leetcode to get some consistency everyday and then gradually explored all the topics and saw what I'm weak at. Once I identified those, I started doing more of those questions. Initially started with 2-3 easy level questions and then gradually made it to 7-9 questions of mostly medium and a few hard questions everyday.

The key to a good preparation strategy is consistency. Work on that and you will automatically get a idea of what you need to do at every step.

**Topics/ Skills essential/ recommended for selection:**

In general for any company DSA is very much required to clear the initial coding round. Here I

**Sources that helped in preparation:**

Everyone has a preference on this. Here is my routine

Leetcode - Daily 5-8 questions when you are on track. Search for questions in the topics you are weak at and if you aren't feeling it is like your day, then just do some random questions irrespective of the topic. Consistency is the key.

Codeforces and codechef - Attend the contests with you friends and see how well you guys perform, after that discuss with them. This will greatly improve your "reaction-under-time-limit" skill.

Also keep track of your topic progress using 450 DSA questions by Babar. It covers all the topics and will help you where you lack at.





### **Essential Tips / Suggestions:**

Go through previous interview questions. Hop on geeks for geeks and find some questions there.





## Cisco Systems India Pvt. Ltd.

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** SE Network/Embedded/AppDev, SE-I, SE-III

**Selects:** 13, 3, 1

**Selection Rounds:** 5

**CTC:** 24.7LPA, 24.7LPA, 39.6LPA





**Name:** Aditya Saini

**CGPA:** 8.82

**Role:** Software Engineer

**Mode of Offer:**

**Selection Criteria:**

None

**Recruitment Procedure:**

There was one coding round, 3 technical interview rounds, and 1 HR interview round.

**Round 1:** There were 2 coding questions, both based on graphs. There were 40MCQs based on CS fundamentals.

**Round 2:** This was a technical interview. I was asked medium-level questions based on strings, bit manipulation, and heaps. This was followed by the standard N-Queen problem. Questions related to CS fundamentals like OOPS, DBMS, and OS were asked.

**Round 3:** This was a technical interview as well. I was asked to code merge, sort, and Dijkstra's algorithm. Then I was asked another question based on bit manipulation followed by questions related to computer networks.

**Round 4:** There were 2 interviewers in this round. I was asked questions on CS fundamentals. I was asked a few DSA questions based on AVL trees, and priority queues. Questions were asked about my projects.

**Round 5:** This was a normal HR round and lasted for about 5 minutes.





### **When did you seriously start preparing?**

During my second-year summer break, I began practicing on Interviewbit and Leetcode. In my 3-2 semester, I started using CodeStudio. Before the placement season, I focused on reviewing standard interview questions and solving Codeforces problems.

### **Topics/ Skills essential/ recommended for selection:**

#### Critical Topics:

- 1) DSA (Data Structures and Algorithms)
- 2) OOPS (Object-Oriented Programming)
- 3) OS (Operating Systems)

#### Projects (I did that helped in my selection)

- 1) Web Development project during PS-1
- 2) Cryptography project during 3-2

### **Sources that helped in preparation:**

- 1) Leetcode and GFG (GeeksforGeeks) are important for interview preparation.
- 2) I practiced questions from the Guided Paths of CodeStudio, which includes quality questions and standard ones.
- 3) To get ready for the coding round, I began using Codeforces shortly before the placement season.

### **Important Tips / Suggestions:**

Stay calm and relaxed during the placement season to minimize pressure. Thoroughly prepare your resume and grasp fundamental concepts. Practice a good amount of questions to gain confidence in online tests. Clearly convey your thought process to interviewers and be prepared for standard HR questions.





**Name:** Ollala Nikhil Kumar

**CGPA:** 7.52

**Role:** SDE

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

None.

**Recruitment Procedure:**

There were three technical rounds, one HR round and one coding round.

**• Coding Round:**

They asked a few MCQs on CS fundamentals and two Graph and Tree-based questions.

**• Technical Round 1:**

Questions related to Bit-Manipulations, Heaps, and Trees were asked. A question on String-pattern matching was asked, followed by a project discussion and a PS1 discussion.

**• Technical Round 2:**

After a brief introduction, they asked me to code Merge Sort and Dijkstra algorithm. A question on Bit-Manipulation was asked again.

**• Technical Round 3:**

There were two interviewers in this round. They asked OS fundamentals, networking, and CS-architecture-related questions. A huge part of the discussion went into projects and past experiences. No coding was involved in this round.

**• HR Round:**

A regular HR round.





### **When did you seriously start preparing?**

I constantly gave Codeforces rounds and went through OS, DBMS and other CS fundamentals before the placements began.

### **Topics/ Skills essential/ recommended for selection:**

Apart from the CS fundamentals, a Software Engineering project would be helpful while discussing projects. Mentioning previous experiences like PS1 or SI will also be helpful.

### **Sources that helped in preparation:**

- Codeforces
- GFG
- Interviewbit





**Name:** Garvit Kashyap

**CGPA:** 8.08.

**Role:** SDE.

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- **Coding Round**
- **3 Technical Interviews.**
- **1 HR Round.**

**Recruitment Procedure:**

- The 1st round was a Coding test with 2 Coding Questions (both graphs) and around 45 MCQs on CS Concepts like **Operating System Networks Programming** etc.
- Then there were 3 Technical Interviews with simple questions on Trees, Linked List and some logic puzzles. All other questions focused on CS Concepts and projects.

**When did you seriously start preparing?**

- After 6th semester, as I didn't have a SI, I focussed on placement preparation during those two months.

**Topics/ Skills essential/ recommended for selection:**

- Computer Networks and Operating Systems are very important (Inter-Process Communication), if you've done the Networks Course, you should be familiar with the TCP/IP Model and the very basics of networking.
- Some questions on OOPs were also asked, like types of Polymorphism, Singleton Class etc.

**Sources that helped in preparation:**

**Leetcode**, for CS Concepts, **Slides, Lecture Notes, GFG.**

**Important Tips / Suggestions:**

- If you've done CS courses like **OS, OOPs** and **Networks**, prepare them well, and make sure you know your projects inside out as they might ask you to explain any one of your projects in depth.





**Name:** Abhigna Srikala

**CGPA:** 7.83

**Role:** Software Engineer

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

The company's selection criteria are centered around three key points: analytic reasoning, smart problem-solving, and a clear understanding of projects. These criteria play a crucial role in determining the suitability of potential candidates.

#### **Recruitment Procedure:**

The company's recruitment procedure includes 1 written test, 2 Technical Interviews, 1 Manager Interview, and 1 HR round. The questions were based on basic DSA concepts and most of the time was spent discussing my projects. It did not matter if the project was small or big, they wanted to know the process of making the project and also what inspired me to do it.

#### **Topics/ Skills essential/ recommended for selection:**

There were no specific topics or skills as such. The company gave me a choice to be tested on my knowledge of DSA, OS, or CN. Going further it is your choice on which topic you want to be questioned on. In my opinion, having a more profound knowledge of CN would not hurt.

#### **Sources that helped in preparation:**

Leetcode, Interview Blt, and GFG are some of the sources that could help in preparing for the DSA questions, also Gate Smashers for DBMS and Computer Networks, are some of the recommended sources that could help crack the interview.





**Name:** Akshat Singhai

**CGPA:** 7.79

**Role:** Software Engineer

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

It was purely based on the understanding of Core Components, Scientific Concepts, Communication skills, ability to explain an idea you have, confidence, and clarity about what you are trying to convey to the interviewer.

#### **Recruitment Procedure:**

There was one test round with 15 MCQs and 2 DSA questions. The MCQs were based on the core CS subjects like DSA, DBMS, OOPS and Networks. The 1st DSA question was related to BFS and the second one was also a graph question related to the Floyd Warshall algorithm

The Interview comprised 4 rounds – two technical and two HR rounds.

**Round 1:** In the first round, the interviewer asked me to present my screen and explain a project I had put up in my resume. It was a full-stack project I had done as a part of a group. I gave a brief overview of the project and the flow of the application we'd designed. The interviewer then asked how I'd used DSA and DBMS concepts in the project in detail. It got informal towards the end and the interviewer asked me about my interests and how I'd been pursuing them.

**Round 2:** The second round was a communication skills test. The interviewer had asked me to pick an Algorithm I'd found interesting and go in-depth explaining it. The key was not to get tense and showcase your understanding of it cleanly and concisely.

**Round 3:** This was a purely technical round where I was asked questions about Networking, DBMS, and DSA concepts and my projects. I was asked to design an algorithm to determine the validity of a mathematical expression with an '=' sign. Make sure that you know the foundational concepts of networking like the OSI layer, Topologies, Protocols, etc.





**Round 4:** The Interviewer asked about my preferences for the office location, and plans for higher studies (try and be smart here) and told me about the PS lock condition that Cisco has.

### **When did you seriously start preparing?**

I started practicing DSA 2 months before the start of 3-1 for the SI drive, but as any other person would, I found it difficult to grasp some of the concepts at the start. It'd be safe to say that I was underprepared during the SI drive. However, I started admiring the problem-solving process and kept at it. I started doing LC and codeforces problems consistently and started giving cf contests as well as Leetcode Contests. Slowly, I started getting better and more confident at it. It's important to be consistent to get good at it. I learned DBMS concepts from Gururaj Sir's lectures and Networks from various videos on youtube and lots of googling. The internet is your friend here.

### **Topics/ Skills essential/ recommended for selection:**

- 1.DSA
2. OOPs
3. Networks
4. DBMS.

Make sure to learn a few complicated DSA algorithms (especially graphs) too, so you shouldn't be missing out if they are asked. Make sure you've used OOPS and DBMS in your projects, so you have a working knowledge of the complicated concepts. For networking, reading and understanding the concepts would do.

Communication skills are often overlooked but they can be a key deciding factor sometimes.

### **Sources that helped in preparation:**

I used leetcode extensively and used the easy-medium-hard filter, company-wise filter, and followed pre-curated lists on different topics I found in the leetcode discussion section as well as from various YouTubers like Neetcode, Striver etc. I also used the GFG and LC discussion sections to read about algorithms. I also gave contests on cf, because I enjoyed taking them.





### **Important Tips / Suggestions:**

Not particularly for this job, but for an SWE job in general - Get good at DSA and problem-solving. Read about DBMS, Object Oriented Programming, and Comp. Networks Concepts. Stay confident, and know your projects well. Do not get worked up, just take a break when you feel overwhelmed and get back at it when you're ready. All The Best.





**Name:** Debdeep Naha

**CGPA:** 8.73

**Role:** Software Engineer - Network/Embedded/Application Development

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

There were no particular criteria set by the company for this role.

**Recruitment Procedure:**

There was one coding round, 3 technical interview rounds, and 1 HR interview round.

**Round 1 (Online Test):**

It consisted of 2 coding questions, both based on graphs. There were 40MCQs based on CS fundamentals like OOP, OS, Aptitude, etc.

**Round 2 (First Technical Round) :**

I was first asked a puzzle. After that, I was asked to solve 2 questions, both of which were based on linked lists. One of them was similar to a problem I had solved on leetcode: <https://leetcode.com/problems/merge-k-sorted-lists/> . I was then asked a question based on Binary Search. The round lasted for about 45 minutes.

**Round 3 (Second Technical Round) :**

This was a technical round with a blend of Managerial questions. I was first asked to explain my projects and then the interviewer proceeded to ask questions based on them. Later on, questions were asked on topics like Binary Trees, OOP (what is a constructor and destructor and the need for them?), Types of Polymorphism, and a few questions from OS(Operations System) related to the creation of child process, etc. This round lasted for about 90 minutes

**Round 4 (Third Technical Round) :**

There were two interviewers in this round(both of whom were Principal Engineers). I was again asked questions related to my projects and then they proceeded to ask questions based on Operations Systems, Computer Networks, and a couple of behavioral/situational questions. They checked my conceptual clarity and I was grilled a lot in this round. The duration of the round was around 70 minutes.





### **Round 5 (HR Round):**

This round was merely a formality. We were asked about the role, location preferences, plans to go for higher studies, etc. It lasted for around 10 mins.

### **When did you seriously start preparing?**

I began preparing by 2-2. I had already started programming competitively towards the start of my 2-1 and routinely hosted contests on Codeforces and Codechef. After the end of 3-2, I began concentrating on various interview-specific themes, working out problems on websites like Leetcode and InterviewBit, and brushing up on CS fundamentals.

### **Topics/ Skills essential/ recommended for selection:**

DSA, OOP, OS, Computer Networks, DBMS.

### **Sources that helped in preparation:**

- 1) Leetcode, Interviewbit, and GFG to prepare for DSA.
- 2) I had done OOP, and OS during my 3rd year so I used the slides to revise the topics.
- 3) Gate Smashers: For DBMS, Computer Networks.
- 4) Gaurav Sen: For System Design

### **Important Tips / Suggestions:**

1. It is important to be good at DSA, so one needs to work on their problem-solving skills. Give contests regularly to become better at time management during online tests. Do not neglect topics like Linked Lists, Binary Trees, etc, as they are asked very often.
2. It is also important to have clarity on the basics of OOP and OS. If I were to rank the core subjects based on importance (only for Cisco), OS > OOP > Computer Networks > DBMS. So make sure you are prepared.
3. Be confident during the interviews. You might not be able to answer each question, but it is important to not lose confidence.





## Cropin

**Eligibility:** B.E. (CSE)

**CGPA Cut-off:** 6 CGPA

**Roles:** Software Engineer

**Selects:** 2

**Selection Rounds:** 3

**CTC:** 23,57,500





**Name:** T V Chandra Vamsi

**CGPA:** 8.24

**Role:** Software Developer

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Good knowledge of DSA, Core Computer Concepts, and Programming Skills were emphasized on.

**Recruitment Procedure:**

There were three rounds conducted in total.

**Round - 1 (Online Assessment):**

It was a 90-minute test consisting of MCQs related to aptitude, DBMS, OOPS, CN, and OS, with two simple coding questions.

**Round - 2 (Technical Interview):**

The interview started with my introduction and a couple of questions based on it. The interviewer then moved on to the coding questions. I was asked two questions in the interview, for which I was expected to explain my logic and write the code on a Google doc.

Q1: (DP, greedy) Leetcode medium question -

<https://leetcode.com/problems/jump-game/>

I started by explaining my naive approach and what parts could be optimized. Then I explained my optimized strategies and was expected to code one of the approaches. Finally, I had to explain the time complexity of the code I had written.

Q2: (Binary Trees, Recursion) Maximum path sum between 2 leaf nodes in a binary tree -

<https://www.geeksforgeeks.org/find-maximum-path-sum-two-leaves-binary-tree/>

I explained my naive approach and then changed my course to find the optimal solution. I was then expected to code the answer and explain the time complexity.





### **Round - 3 (Technical and HR):**

The interview started with my introduction. The interviewer asked me the following question (mentioned in the doc) -

[https://docs.google.com/document/d/1UdTqJzdWtHv2aEpLxtKQLTV8SLDHZpH\\_GrGvNKc-wkA](https://docs.google.com/document/d/1UdTqJzdWtHv2aEpLxtKQLTV8SLDHZpH_GrGvNKc-wkA)

I explained two approaches to the problem, and the interviewer asked me to code the optimal solution in an IDE of my choice. I was then expected to run the code for various test cases.

The interviewer then asked me about one of my projects and questions based on the project. Since my project was related to DBMS, I was asked to write an SQL query for a simple problem.

I was then asked general HR questions and about my hobbies.

### **When did you seriously start preparing?**

I started preparing for placements as soon as my 3-2 ended. I focused on DSA first and ensured I was comfortable with any topic. I solved several medium-level problems on Leetcode and gave contests on Codeforces and CodeChef. I also took 1-2 weeks to revise some critical OOPS, DBMS, and OS concepts.

### **Topics/ Skills essential/ recommended for selection:**

DSA, DBMS, OS, OOPS

### **Sources that helped in preparation:**

Leetcode, GeeksforGeeks





### **Important Tips / Suggestions:**

For DSA/problem-solving questions, explain your approaches clearly with steps. While writing code, make sure that you use good coding practices - using meaningful variable and function names and object-oriented design. Please communicate with your interviewer about your approach and explain the lines of your code while writing it. Remember to mention the time complexities for any of the functions you use in your code.

Be thorough with everything you have mentioned in your resume (projects, internships, courses, etc.), as your interviewer might ask questions about them and see how deep of an understanding you have.





## Dolat Capital

**Eligibility:** B.E. (all), B.E. (CSE, ECE)

**CGPA Cut-off:** 0 (All are eligible)

**Roles:** Quantitative Analyst, Software Developer

**Selects:** 2, 6

**Selection Rounds:** 2

**CTC:** 1250000, 1775000





**Name:** Harsh Goyal

**CGPA:** 7.45

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

2 Rounds: 1 online round and 1 interview

**Recruitment Procedure:**

**Round 1: Online Round**

This round is quite different from others. This is not a DSA coding round, but you have been given some real-time problem statement and you have to code in either C++ / JAVA.

**Round 2: Interview**

In this round, Interviewer mainly focused on my OOPS skills in C++ / JAVA.

**When did you seriously start preparing?**

Summer vacation

**Topics/ Skills essential/ recommended for selection:**

OOPS and high skills on C++ / JAVA is a must.

**Sources that helped in preparation:**

Lov Babbar DSA Sheet, InterviewBit, Leetcode weekly contest.

**Important Tips / Suggestions:**

-





**Name:** Udit Varshney

**CGPA:** 8.42

**Role:** SDE

**Recruitment Procedure:**

**Round 1:** Coding Round

**Round 2:** Interview

**Round 3:** HR Round

**When did you seriously start preparing?**

I had been doing light preparation of DSA and CS Fundamentals from 3-1, but got serious halfway through 3-2. To prepare for the coding round, I started contesting in codeforces and codechef in June. After that, I started revising the fundamentals of CS and standard problems on DSA to prepare for the interview. Then I proceeded by doing 3-5 problems on DSA regularly and revised my CS fundamentals weekly.

**Topics/skills essential/ recommended for selection:**

DSA, DBMS, OS, OOPs, System Design and Networking

**Sources that helped in preparation:**

- geeksforgeeks
- LeetCode
- InterviewBit
- Codeforces
- YouTube playlists for CS fundamentals

**Important tips/suggestions:**

Knowing OOPs and being able to code in C++ is a big advantage. Revision of standard STL functions like vector and priority queue is recommended. Brushing up on CS fundamentals, especially OOPs, is important. Questions on DSA are also asked and most of them are real-world application based questions, so prepare accordingly.





**Name:** Parth Aggarwal

**CGPA:** 9 08

**Role:** Software Developer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

On Campus

#### **Recruitment Procedure:**

There were 2 rounds conducted, (Online Test + Technical Interview)

**Round 1:** Online Test - For this test we had to code a solution for the given problem statement.

**Round 2:** Technical Interview - This round consisted of an interview where we were asked about OOPS and C++. We were also tasked with coding a problem statement on word.

#### **When did you seriously start preparing?**

I started preparing for my placements during the summer break after 3-2. Learning DSA concepts and practicing them by solving problems greatly helped me.

#### **Topics/ Skills essential/ recommended for selection:**

1. DSA
2. OOPS (Includes Web Development project developed in class)
3. OS
4. Communication skills

#### **Sources that helped in preparation:**

GFG

Leetcode

InterviewBiT

#### **Important Tips / Suggestions:**

Have a very good command on C++, along with thorough knowledge of OOPS concepts (beneficial if it is in C++ language). Good problem solving skills are important too.





## Dover Corporation

**Eligibility:** B.E. (all)

**CGPA Cut-off:** NA

**Role:** Software Engineer

**Selects:** 2

**Selection Rounds:** 3

**CTC:** 16 LPA





**Name:** Dhruv Malviya

**CGPA:** 6

**Role:** Software Engineer

**Semester Placed:**

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

3 rounds and 1 test, The test was focused on logical reasoning questions.

**Round 1:** The first round was a technical round

**Round 2:** Again technical round (DSA questions)

**Round 3:** HR round

**When did you seriously start preparing?**

Started preparing seriously 1-2 months before the interview. Just brushed up on common DSA concepts and practiced a lot of questions.

**Topics/ Skills essential/ recommended for selection:**

DSA and 1-2 major projects should be enough.

**Sources that helped in preparation:**

LeetCode, GFG Practice Problems.





**Name:** Aman Shrivastava

**CGPA:** 8.81

**Role:** Design Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

60% throughout 10th, 12th, BE, ME.

**Recruitment Procedure:**

There were 3 rounds.

**1st Round:** Online Test (Aptitude and Technical).

**2nd Round:** Technical Interview (Project and Thermal related).

**3rd Round:** HR + Technical (Technical Question + Data Science).

**When did you seriously start preparing?**

I started preparing seriously in the second semester.

**Topics/ Skills essential/ recommended for selection:**

1. Basic Knowledge of BE subjects.
2. Thorough Knowledge of Resume.

**Important Tips / Suggestions:**

Just try to explain the project in the simplest manner.

Study about the company to know which department is coming to take the interview.

Since some departments work on refrigeration, some on other things.





# ExxonMobil

## Exxon Mobil

**Eligibility:** B.E. (Chemical, Mech.)

**CGPA Cut-off:** 7

**Roles:** Engineer

**Selects:** 2

**Selection Rounds:** 3

**CTC:** 11.41 LPA





**Name:** Sridhara Sai Gopal

**CGPA:** 8.91

**Role:** Full-Time Engineer

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

1. Candidates with a CGPA of 7 or above will be considered.
2. Selected candidates must pass all rounds of the placement process.

**Recruitment Procedure:**

The recruitment process consisted of three rounds, all of which were elimination.

**Round 1: Online Test**

The online test comprised two papers with no negative marking.

**Paper 1: Technical Test (30 minutes, 30 questions)**

The questions were based on the candidate's branch (in this case, mechanical). Out of the 30 questions, 29 were theoretical rather than formula-based. The questions primarily focused on second-year core subjects (CDCS). With a solid understanding of basic concepts, the questions were relatively easy to moderate. Time management was generally not an issue, as each question could be answered in around 30-40 seconds if the theory was known.

**Paper 2: Aptitude Test (60 minutes, 60 questions)**

The test consisted of three sections: English, Analytical, and Quantitative. English Section: This section comprised 15 passage-based questions, which were mostly easy to answer. Analytical Section: It included 25 questions, with a few lengthy data interpretation questions. The remaining questions were of moderate difficulty.





**Quantitative Section:** This section covered general quant topics from the aptitude course on the PU portal and consisted of 20 questions. The questions were relatively easy to moderate.

To qualify for further rounds, it was important to confidently solve at least 60-70% of the questions in each section, as there could be sectional cutoffs. The key strategy was to optimize attempts across all three sections.

### **Round 2: Group Discussion**

During the group discussion round, there were 10 different groups, each consisting of 7-8 candidates. After entering the meet link for the group discussion, the panelists, who were highly experienced, introduced themselves. Following that, each candidate was given 30 seconds to introduce themselves. A topic was then provided, and candidates were given 90 seconds to prepare. The discussion lasted for 10-12 minutes, and every student was given 30 seconds to conclude. The panelists were strict about adhering to these time limits. The topic given for the group discussion was "Inflation trend worldwide: Is it good or bad?"

### **Round 3: Interview**

The interview stage involved a combination of technical and HR interviews. Some students had only one interview, while others, including myself, had two interviews on the same day as the group discussion.

#### **1st Interview (HR Interview):**

The first interview focused primarily on HR questions. The panelists asked questions based on my resume, such as my volunteer experience, projects, and the lessons I learned from them. They also engaged in cross-questioning based on my responses. Given my decent CGPA, I was questioned extensively about my decision to not pursue higher studies immediately.

#### **2nd Interview (Technical and HR Interview):**

The second interview was a mix of technical and HR questions. The panelists asked me to "tell me about yourself" and questioned why I chose Exxon. They also asked me to explain my PS-1 project/training and requested that I draw and explain the refrigeration cycle. Additionally, they inquired about the different modes of heat transfer. The technical





questions were relatively easy, while the behavioral questions required thoughtful answers. I responded honestly, and the panelists duly acknowledged my responses.

### **When did you seriously start preparing?**

My preparation phase started approximately 8-9 weeks prior to the Exxon placement process in June. I primarily focused on revising the theoretical aspects of second-year core subjects (CDCS) from my notes and textbooks, excluding numerical aspects. Concurrently, I stayed updated on global current affairs through reading English dailies and following Exxon's global activities. For the interviews, I proactively prepared and revised answers for general interview questions to ensure well-structured responses. I also dedicated time to completing aptitude exercises on the PU portal, covering a range of topics to improve problem-solving skills.

### **Topics/ Skills essential/ recommended for selection:**

During the placement test, a strong grasp of the basic theoretical concepts from the second-year core subjects (CDCS) was crucial. I focused on revising these concepts, but I didn't prioritize solving mechanical-related questions from the test papers. In the interviews, technical skills weren't emphasized. Instead, effective communication about my projects was key. Having 1-2 projects in the core domain was beneficial, but it was essential to articulate what I accomplished, learned, and the significance of the projects. Demonstrating a positive and confident attitude was highly valued by ExxonMobil. Effective communication skills and the ability to express ideas clearly were also important factors throughout the process.

### **Sources that helped in preparation:**

- 1.Notes and textbooks for 2nd-year CDCS
- 2.English dailies for current affairs
- 3.Energy Factor website by ExxonMobil
- 4.Indiabix website for mechanical theory questions
- 5.BITSAA resume building slides





### **Important Tips / Suggestions:**

- Believe in your ability to succeed despite setbacks, as the number of selections may not be fixed.
- When preparing your resume, aim for an appealing design without going overboard, focusing on including impactful information.
- During group discussions, make clear and concise points, limiting your speaking time to around 50 seconds. Remember to cite others' opinions, allowing everyone to participate and avoiding dominance. Lead the discussion towards a conclusion while staying on topic and summarizing key points at the end.
- Maintain a positive attitude, keep a smile on your face, and regularly revise your answers for general interview questions. Best of luck in your endeavors!





# Fiorano®

## FIORANO

**Eligibility:** BE (All), Msc (All)

**CGPA Cut-off:** 0.0

**Roles:** Software Engineer

**Selects:** 1

**Selection Rounds:** 3

**CTC:** 12,00,000





**Name:** Sabbisetti Hemanth

**CGPA:** 8.44

**Role:** SDE

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- DSA
- OOPS
- OS

**Recruitment Procedure:**

One written Aptitude test and 2 technical rounds. The first technical round lasted approximately 1 hour, in which they asked 2 DSA problems and concepts related to OOPS and OS. The second round focused solely on DSA and involved problems related to Trees.

**Topics/ Skills essential/ recommended for selection:**

Concepts of OOPS and OS are a must, along with some other important concepts like Trees, Lists, and Graphs.

**Sources that helped in preparation:**

- Leetcode
- GFG.





## Fischer Jordan

**Eligibility:** B.E. (ECE, EEE, ENI, Mechanical, Chemical, Civil)

**CGPA Cut-off:** 6.5

**Roles:** Business Analyst (consulting)

**Selects:** 1

**Selection Rounds:** 3

**CTC:** 21 LPA





**Name:** Esha Kurwa

**CGPA:** 8.8

**Role:** Business Analyst Consulting

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

Resume shortlisting, 3 rounds of interviews

### **Recruitment Procedure:**

There were 3 rounds of interviews:

**Round 1:** I was asked questions from my resume and was given 3 puzzles. (Some people were also asked guesstimates)

**Round 2:** Asked probability and puzzles. Going through the company's website helped because I was asked about what I liked about the company.

**Round 3:** I was asked about probability and a situation was given to judge how one reacts under pressure. We had a talk about the company, its goals, my goals and the research projects I'd done.

### **When did you seriously start preparing?**

I started preparing in the second week of July. I practiced cases and guesstimates from standard books. Went through GfG puzzles thoroughly before the interview.

### **Topics/ Skills essential/ recommended for selection:**

NCERT 11th and 12th- probability, puzzles and going through the company's website are highly recommended.

### **Sources that helped in preparation:**

NCERT 11th and 12th math and geeksforgeeks helped me prepare.





## Gale

**Eligibility:** B.E. (all), M.Sc. (all)

**CGPA Cut-off:** 0

**Roles:** Jr Associate, Data Science and Analytics

**Selects:** 5

**Selection Rounds:** 4/5

**CTC:** 14,00,000





**Name:** Uday Nair

**CGPA:** 7.8

**Role:** Junior Data Scientist

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Minimum CGPA - 7

Open to all branches.

**Recruitment Procedure:**

**1st Round:** Online Test - Multiple choice questions on Python, probability, basic quantitative aptitude, and logical reasoning.

**2nd Round:** Technical Interview - Resume-based questions were asked initially. A few questions were asked on statistics. There was a guesstimate question where you had to estimate the number of trees on our campus. Finally, there were questions on SQL.

**3rd Round:** Technical Interview - It was a short round where questions were asked about the courses completed. There were also questions related to Artificial Intelligence and Machine Learning, followed by a simple case study.

**4th Round:** HR/Manager Round - Interview with the manager. Basic HR questions were asked.

**When did you seriously start preparing?**

2nd week of July.

**Topics/ Skills essential/ recommended for selection:**

1. Probability and Statistics
2. Basic DBMS concepts
3. Quantitative aptitude and logical reasoning
4. Guesstimates





### **Sources that helped in preparation:**

1. Data camp for SQL and Python
2. Resources provided by the Placement Unit for guesstimates and case studies
3. Previous semester notes for Probability and Statistics

### **Important Tips / Suggestions:**

The interviews were extremely chill and not stress-based interviews. They just want to test your technical knowledge and reasoning skills. Make sure to memorize everything that you have mentioned in the resume by heart. The online test was also pretty easy. Two hours were given for it but it can easily be solved in one hour. There were no coding questions in the test.





**Name:** Satwik Arindam Hota

**CGPA:** 8.68

**Role:** Jr. Data Science Associate

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

On campus recruitment.

**Recruitment Procedure:**

There were 5 rounds (Online test + Group Discussion + Technical Round 1 + Technical Round 2+ HR) :-

**1st round (Online test)**

Online test included basic quant and aptitude questions along with python output based questions.

**2nd round (Group Discussion)**

Group Discussion was held for a group of 10 people and we were asked to give our opinions on topics for 20 minutes followed by final concluding thoughts. (Topic: Metaverse, hype or inevitable future?)

**3rd round (Technical Round 1)**

Technical Round 1 included questions from statistics about what kind of plot I would use to plot the data given in a table presented by the interviewer and justification for using that. Basic distributions usually used for analysis and project based questions from resume. I was also asked to predict the data a company like OLA must be using and some KPI related to transactions to measure user behavior.

**4th round (Technical Round 2)**

Technical Round 2 was mostly resume based followed by some questions on SQL and python and some detailed questions on Time Series Analysis as my FRAM project was based on it and the models used for it.





### **5th round (HR Round)**

HR Round included questions about my inclination towards marketing (GALE being a marketing company) and some questions about the projects I had pursued with startups while being part of the Consulting Group on campus followed by some basic HR questions.

### **When did you seriously start preparing?**

I started my preparation in the first week of June. I was not really comfortable with coding so I started out with datacamp courses and kaggle to learn my way around a jupyter notebook and started using numpy and pandas. Data Analysis with Python track is really helpful. I started doing leetcode and interviewbit for SQL practice. Also practiced one on one case interviews which really helped with my problem structuring and problem solving skills. Apart from these, the PU Material for aptitude also helped me brush up knowledge about probability and statistics.

### **Topics/ Skills essential/ recommended for selection:**

Case interviews, Probability & Statistics, MySQL, Python3

### **Sources that helped in preparation:**

Datacamp, Kaggle, Leetcode(SQL Study Plan), PU Material, SRCC Casebook

### **Important Tips / Suggestions:**

Basic knowledge about statistics and probability would be really helpful so revisit them from the first year Math courses or you can refer to the PU material for those. Learn about different distributions and how to plot them using python. Learning SQL is also quite necessary and make sure you're confident in writing queries to different questions on leetcode and interviewbit. Finally, and most importantly, be thorough with your resume.





# GE HealthCare

## GE HealthCare

**Eligibility:** BE(CS,ECE,ENI, EEE)

**CGPA Cut off:** 7

**Roles:** EEDP

**Selects:** 1,

**Selection Rounds:** 4

**CTC:** 15,00,000





**Name:** Amal Najeena Jaleel

**CGPA:** 8.16

**Role:** EEDP

### **Recruitment Procedure:**

There were 4 rounds.

**Round 1:** Written test

**Round 2:** Technical Interview – Primarily speaking they asked two code questions and questions on Arrays and Lists since they testing the concepts of C programming Language

**Round 3:** Manager Interview

**Round 4:** HR Interview

### **Topics/ Skills essential/ recommended for selection:**

DSA, OOPS, and projects with professors.

### **Sources that helped you for preparation:**

Personal Projects





# Google

## Google

**Eligibility:** B.E. CSE, ENI, EEE, ECE; CSE

**CGPA Cut-off:** 0, 0

**Roles:** Silicon Engineer, SWE

**Selects:** 8, 2

**Selection Rounds:** 4

**CTC:** 4038740, 3036560





**Name:** Anurodh Chadha

**CGPA:** 7.79

**Role:** SWE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

They will primarily evaluate you on your problem-solving abilities rather than your development abilities. They didn't discuss my past projects with me. The major focus was always on DSA problems.

**Recruitment Procedure:**

There were 4 rounds in total:

1 coding round followed by 3 interviews.

**Round 1:**

Google's coding rounds usually have questions on topics ranging from DP, graphs, trees, tries, bit manipulation, binary search, etc.

**Round 2:**

In the first interview, the interviewer asked a graphs question that had a DP optimization to it. It had a topological sort solution as well with the same time complexity. Topological sort problems are pretty frequently asked in Google interviews.

**Round 3:**

The second interview was taken by a senior software engineer and she asked more real-world sort of problems that required good implementation skills and a decent style of coding (naming conventions, etc).

**Round 4:** The third interview again had a problem with a topological sort-based solution.

**Tips for Interview rounds:** Communicating your thoughts properly in each interview is very important, giving a mock interview would help. In each interview, a DSA question was asked. Along with that two interviews had HR questions which they called a "Googlyness" check.





### **When did you seriously start preparing?**

I have been doing competitive coding since the end of my first year, and doing CC definitely helps a lot in coding rounds. During the SI season, I did some interviews in bit, leetcode, and gave mock interviews to seniors. I didn't have much time for interview preparation before placements because I was busy with my SI.

### **Topics/ Skills essential/ recommended for selection:**

As I mentioned above as well, DSA skills are very important. A good and deeper understanding of DP, graphs, trees, binary search, and bit manipulation would help a lot. Do not think that only people who do CC are able to get through, do leetcode properly, and give contests for time-constrained practice; this would suffice.

Usually, they do not ask much about projects but just mind map them once for worst cases.

### **Sources that helped in preparation:**

1. Giving contests on Codeforces, Codechef, and Atcoder that would train you to solve problems under time constraints.
2. Use Leetcode and interview bit for interview-specific questions.
3. Use Pramp for giving mock interviews.

### **Important Tips / Suggestions:**

Don't think you've already lost the war; even if you have less time, just grind and always strive to solve the questions you weren't able to solve during the actual interviews or coding rounds because concepts repeat. Do not get pressurized, just chill out you would do well.





**Name:** Jui Pradhan

**CGPA:** 8.57

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Google had a test and resume shortlisting round.

**Recruitment Procedure:**

To my recollection, there were 2 questions in the test. One question was relatively easier than the other. All test cases passed for the first question and the second question was partially correct for me. I think the resume shortlisting round helps a lot in getting an interview.

The number of rounds for each candidate was different. There were 3 or 4 interview rounds, all technical. However, at the end of the last round behavioral questions were asked. I had 3 rounds of interviews.

Each round had one question, which if you are able to solve then the interviewer proceeds to ask the next subpart of the question.

**When did you seriously start preparing?**

I did not intend to sit for sem1 placements so did not have an extensive placement preparation plan. However, I was interviewing for a corporate thesis a few months back- having faced multiple interviews for SI, Corporate thesis and PS2 I had a good idea of the topics that I had to focus on.

In spite of the suggested coding language being C++ or Java, I prefer to code in Python. For the preparation I found the Youtube videos on the channel:

NeetCode really helpful. I went through all the questions which had the FAANG tag. One day before the interview, I revised only the dynamic programming questions.

**Topics/ Skills essential/ recommended for selection:**

I feel at least one of the questions asked in the interview rounds are on dynamic programming and Trees.





**Name:** Gopala Vamsi

**CGPA:** 7.98

**Role:** SWE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Based on coding round and interview performance. I don't think there was any specific branch/CG criteria.

**Recruitment Procedure:**

There were 1 coding round (2 problems) and 3 interviews.

All the rounds were based on DSA only.

**1st round:** One problem and its follow-up (based on strings, implementation) was asked.

**2nd round (1 hour)** : 2-3 problems (based on greedy, 2-pointer techniques) were asked and last 15 mins was based on "Googliness" (behavioural questions)

**3rd round (1 hour)** : 2 problems (based on graphs, traversals, topo sort). Again last 15 mins for behavioural questions.

**Tips for Interview rounds:** A wide variety of topics were covered throughout the process. Hence, a good understanding of DSA is very essential.

**When did you seriously start preparing?**

Around the end of 2nd year.

**Sources that helped in preparation:**

My prep was largely based on leetcode/IB, along with some CC. CSES is another platform where I felt a lot of standard techniques and problems are covered.





### **Important Tips / Suggestions:**

Don't think you've already lost the war; even if you have less time, just grind and always strive to solve the questions you weren't able to solve during the actual interviews or coding rounds because concepts repeat. Do not get pressurized, just chill out you would do well.





# GROUPON®

## Groupon

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

**CGPA Cut-off:** 7

**Roles:** SDE I

**Selects:** 4

**Selection Rounds:** 2

**Stipend:** 25,86,250





**Name:** Sanath Salil

**CGPA:** 8.74

**Role:** Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume shortlisting

**Recruitment Procedure:**

There were 2 rounds. The first one was a problem-solving round which was followed by a system design round.

**When did you seriously start preparing?**

I started preparing seriously in June. I started off by solving all the problems on Striver's DSA sheet. This gave me a solid foundation upon which to build. Dynamic programming is a notoriously challenging subject to study for. I repeatedly watched Aditya Verma's playlist on dynamic programming to get ready for any questions that might be asked about it. Leetcoding is unquestionably very beneficial.

I would research the company's interview rounds and prepare accordingly. Geeksforgeeks and Interview Bit have many summaries of interview questions. For most system design interview questions, Grokking the System Design Interview is enough.

Before the interview, study the company and learn about the interviewer.

**Topics/ Skills essential/ recommended for selection:**

1. DSA is very crucial.
2. OS and DBMS (mostly limited to interviews)





### Sources that helped in preparation:

1. Striver's DSA Sheet
2. Leetcode curated lists
3. Aditya Verma's DP playlist

### Important Tips / Suggestions:

It is more important to articulate your thoughts in a DSA interview than to be right. Your problem-solving style should be apparent to the interviewer.

Interviewers usually evaluate your problem-solving skills when asking difficult questions.

With Groupon (and with any System Design Interview), you need to keep in mind that there are no "right" answers to these questions. Make sure you answer these questions methodically and involve your interviewer in the process.





## Hewlett Packard Enterprise India Pvt Ltd.(HPE)

**Eligibility:** B.E. (CS,ECE,EEE,ENI)

**CGPA Cut-off:** 7

**Roles:** Software Developer

**Selects:** 1

**Selection Rounds:** 3

**CTC:** 1750000





**Name:** Anjan Neelisetty

**CGPA:** 7.57

**Role:** SDE

**Recruitment Procedure:**

3 Rounds.

Online Assessment.

Technical Round Interview.

Managerial Round Interview.

In online assessment main questions based on OS and C++, there were 2 coding questions of almost medium difficulty in leetcode.

In the Technical round he asked questions on oops OS shell scripting and 2 coding questions (write merge sort, trapping rainwater) and asked a lot about my PS 1 project which was their requirement (that was luck) so I answered all of his questions.

In Managerial round he asked a few questions on OOPS, OS and asked a few questions regarding previous interviews and asked a few puzzles (which I had already seen in youtube) so there was a positive impression in the end.

**When did you seriously start preparing?**

I started seriously in my 3-2 just after my mids and started the prep guide using TAKE you forward.

**Topics/ Skills essential/ recommended for selection:**

OOPS OS DSA and preferably SQL as well.

**Sources that helped in preparation:**

<https://takeuforward.org/interviews/strivers-sde-sheet-top-coding-interview-problems/>

<https://www.geeksforgeeks.org/commonly-asked-data-structure-interview-questions-set-1/>





# INFRA.MARKET

BUILDING REVOLUTIONS

## Infra.Market

**Eligibility:** B.E. (CS, ECE, EEE, ENI)

**CGPA Cut-off:** 0

**Roles:** Software Engineer 1

**Selects:** 3

**Selection Rounds:** 4

**CTC:** 1750000





**Name:** Arumalla Mohit Krishna

**CGPA:** 7.65

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

All students studying electronics and computer science were eligible, and there was no cutoff for CG.

**Recruitment Procedure:**

We had two DSA questions and the rest were aptitude questions in the coding round that they conducted for us first. Later, we had two technical rounds and one HR round. The HR round was chill and he just asked us about the campus life and how I spent it.

**When did you seriously start preparing?**

Three months previous to the interview, I started preparing. As per usual, I began with DSA and reviewed the fundamentals of C++. I then practiced questions from Coding Ninjas and LeetCode, and I also organized a small group of friends to practice DSA questions in competition with one another. This really inspired me to work harder on coding so that I could learn DSA concepts. A few YouTube tutorials, such as those by Apna College, Aditya Verma (VERY IMPORTANT), and Bits' training program, were really helpful to me.

**Topics/ Skills essential/ recommended for selection:**

Some of the subjects they mainly focus on include sliding windows, graphs, and DP (IMPORTANT). They might or might not inquire about the others.

However, when it comes to the interview, they really pay attention to how well you learn new concepts, and how you approach the problem plays a significant part. It depends on how well you perform in the first round of the interview and the interviewer.

It would also be preferable if you included a web development project on your resume.





In the second technical round, he mainly focused on my projects and asked a few behavioral questions, which was not the same case with other candidates who were asked DSA questions even in the second round.

### **Sources that helped in preparation:**

If you are a beginner, I would advise you to go through 'Aditya Verma's' whole playlist and practice sums from 'Coding Ninjas or Interview Bit'. Also, don't neglect the practice sessions that are conducted by the placement unit. You will learn something new for sure. Whatever the case, perseverance is key; never lose heart; simply have faith in yourself.

### **Important Tips / Suggestions:**

I just want to say one thing, the road ahead may seem challenging, but remember that you are capable of achieving great things with hard work and determination. It is important to stay focused on your goals and remain positive throughout the journey. Always believe in yourself and your abilities, and don't be afraid to seek help when needed. Remember that success is not achieved overnight but through consistent effort and perseverance. With each day, you are getting one step closer to your dream job. So stay motivated, stay disciplined, and always keep your eyes on the prize. You've got this!





# intuit®

## Intuit

**Eligibility:** B.E. CS, ECE, ENI, EEE

**CGPA Cut-off:** 7

**Roles:** SWE

**Selects:** 2

**Selection Rounds:** 3

**CTC:** 3925000





**Name:** Adarsh R

**CGPA:** 9.51

**Role:** Software Engineer - Full Stack/Front-End/Back-End/DevOps/Mobile

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

- CGPA cut-off: 7
- Hiring workflow: Resume shortlisting -> Online test -> Technical Interviews

#### **Recruitment Procedure:**

- **Resume shortlisting**

- **Round 1: (Online Assessment)**

It consisted of 4 coding questions to be solved in 90 minutes.

- **Round 2: (Technical Interview-1)**

It was 45 minutes long and mainly focused on core CS subjects (OS, DBMS, and SQL queries) and detailed discussion on projects mentioned in the resume.

- **Round 3: (Technical Interview 2)**

It was 75 minutes long. It included one medium-level DSA question based on a stack, with a discussion of the approach, implementation on a shared IDE, running sample/edge test cases, and time complexity analysis. There was also a brief discussion on the approach for system design of an e-commerce website and questions on CS fundamentals (mainly OS) along with a discussion on internship projects mentioned in the resume.





### **When did you seriously start preparing?**

I regularly practiced on LeetCode and InterviewBit since the SI drive. I gave regular contests and focused on core CS subjects and basics of system design in the last 2 months before the placement drive.

### **Topics/Skills essential/recommended for selection:**

A good grasp and practice of DSA to clear online rounds. A good understanding of core CS subjects (OS, OOP, DBMS) and system design basics.

### **Sources that helped in preparation:**

LeetCode medium problems and some selected popular hard problems.  
InterviewBit for topic-wise practice. Contests on LeetCode and Codeforces.  
Class notes/slides and GeeksforGeeks are good enough for revising CS subjects.

### **Important Tips/Suggestions:**

- Give as many contests and mock interviews as possible.
- Allocate some time to revise core CS subjects and try to check out some problems/videos on low-level design.
- Practice writing clean code following the principles of OOD.
- Be thorough with every detail of projects and internships mentioned in the resume.





**Name:** Rishita Pandey

**CGPA:** 8.35

**Role:** Software Developer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

The company was open to all the CS and phoenix branch students with a CGPA cutoff of 7.5.

**Recruitment Procedure:**

There were four rounds including resume shortlisting, coding round and two technical interviews. The first was the resume shortlisting round in which all the CS and phoenix branch students with a CGPA of 7.5 or more were shortlisted for the second round.

The second was an online coding round in which we were expected to solve four coding questions in 2 hours. The questions were mostly DSA-based. The level of the questions was mostly in the medium-hard range. Following this, there were two technical interviews. In the first interview, questions related to OOPS and DBMS were asked. Apart from that one coding question related to arrays and vectors was asked. The second round of interview started with explaining my summer internship project at Microsoft (asked in the first interview also). One coding question, some questions related to OOPS, DBMS and OS and one situation based technical question was asked.

**When did you seriously start preparing?**

I started preparing at the end of my second year and secured a summer internship at Microsoft in third year. After completing my internship at the end of third year, I resumed my preparation for placements. My preparation mostly included practicing coding problems about different data structures and algorithms. I also revised OOPS, DBMS, and OS.





### **Topics/ Skills essential/ recommended for selection:**

Include all the projects that you have worked upon seriously as they add a lot more weightage to your resume. Also, I was asked many questions about the projects I have completed in the interviews. Having a thorough knowledge about the project and the technology stack used is important.

DSA is the most important topic asked in any technical interviews of a coding profile job be it in the form of coding questions or theoretical questions. Apart from that, courses like OOPS, DBMS, OS and software engineering are important for the placements.

### **Sources that helped in preparation:**

Geeksforgeeks , Leetcode and Interviewbit are the most helpful sites for preparing DSA and coding questions. For OOPS, DBMS, OS and Software Engineering, one can prepare the most recently asked questions in the interviews related to each topic from any site.

### **Important Tips / Suggestions:**

One should have a good preparation especially for DSA for the placements. Be clear in explaining your understanding about the question. Ask doubts especially if anything is unclear or about the edge cases in the coding questions. Have confidence and be calm in the interviews and you will definitely excel in them.





## Kuvera.

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** SDE

**Selects:** 5

**Selection Rounds:** 3

**CTC:** 15,00,000





**Name:** Harshit Upadhyay

**CGPA:** 7.2

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

**Round 1:**

Resume Shortlisting

**Round 2:**

- Interview 1- First Interview round was based on DSA which included 5 to 6 coding questions from easy to medium level.
- Interview 2- Second Interview consisted of a single coding problem along with OOPS, OS and DBMS.

**Round 3:**

HR Interview

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

Started seriously in the last week of July after my SI. Practiced 5-10 problems from sheets available online and watched playlists for OOPs, OS and DBMS.

**What are some critical topics/skills essential for the process?**

- DSA
- OOPs
- OS
- DBMS

**Sources to help in preparation**

- Takeufoward YouTube Channel
- GeeksforGeeks

**Your suggestion to help in the preparation**

They focused on core subjects as much as DSA, so prepare accordingly.





**Name:** Sarthak Mallick

**CGPA:** 7.15

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

After the resume shortlisting, selection was purely based on the interview rounds.

**Recruitment Procedure:**

The recruitment procedure was a 3-round process, all three of them being interviews, which were taken by different teams of the company.

**Round 1:** Technical Interview 1

There were 5 to 6 coding questions asked which were mainly based on DSA.

**Round 2:** Technical Interview 2

They tested our skills on core CS subjects like OOPS, OS and DBMS. I was also assigned a coding problem.

**Round 3:** Human Resources

This round was a behavioral interview with the HR team of the company.

**When did you seriously start preparing?**

I started preparing seriously during the summer break after the end of 3-2.

**Topics/ Skills essential/ recommended for selection:**

DSA, OOPS, DBMS, OS

**Sources that helped in preparation:**

Solving Striver's DSA Sheet on Leetcode. <https://leetcode.com/>

**Important Tips / Suggestions:**

Be thorough with core CS subjects and prioritize DSA because questions were mostly asked about DSA. Also, work hard on core CS concepts such as OOPS, OS, and DBMS. Project confidence during HR round as it is the biggest asset of yours during that round





# Lookout™

## Lookout

**Eligibility:** B.E.(CS,ECE,ENI,EEE,Mech.)

**CGPA Cut-off:** 7.0

**Roles:** Software Engineer

**Selects:** 2

**Selection Rounds:** 2

**CTC:** 12.88 LPA





**Name:** Abhinav Manoj

**CGPA:** 7.4

**Role:** Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

They had a cgpa cutoff of 7.

Round 1 was an online test and it was followed by an interview and I cleared both.

**Topics/ Skills essential/ recommended for selection:**

I recommend CS fundamentals like DSA, OOPS, OS for selection along with working on your problem solving skills.





## Mashreq Bank

**Eligibility:** B.E. (All), B.E. (All) M.Sc. (All) and B.Pharm.

**CGPA Cut-off:** 0

**Roles:** Security Analyst, Risk Analyst

**Selects:** 4, 6

**Selection Rounds:** 3,3

**CTC:** 18 LPA, 15 LPA





**Name:** Aneesha Jain

**CGPA:** 8.67

**Role:** Risk Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

A Minor in finance is necessary.

**Recruitment Procedure:**

The recruitment procedure consists of a total of three rounds. The first round was based on the shortlisting of Resume. The second round consisted of a group discussion. Lastly, the third round was a technical interview.

**When did you seriously start preparing?**

I started taking my placement preparation seriously after my summer Internship ended.

**Topics/ Skills essential/ recommended for selection:**

Technical skills like R, SQL and Python are essential and sufficient. Any Finance projects taken up also turn out to be very helpful.

**Sources that helped in preparation:**

I used Data camp for learning technical skills like R, SQL and Python. It should also be noted that it is very important to revise all the finance courses and projects you have taken.

**Important Tips / Suggestions:**

It is important to be thorough with everything in your resume and the relevant courses you have taken up in college.





**Name:** Sudhanshu Chhajed

**CGPA:** 7.65

**Role:** Risk Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placement

**Recruitment Procedure:**

Resume Shortlisting, 1 Group Discussion and 1 Interview.

**Selection criteria:**

Minor in Finance or MSc Economics required.

**When did you begin preparing? How did you do it?**

July 1st week. I prepared for Consulting and Data Analytics. Though this role is specifically risk management, preparing for consulting boosted my confidence.

**What are some critical topics/skills essential for the process:**

I had done FRM level 1 in my 2-2, and I had a decent knowledge of Python/SQL. DRM and FRAM were very helpful.

**Sources that helped with preparation:**

- You need to prepare for Group Discussions, and do courses like DRM and FRAM properly. Apart from this, nothing else is required.
- For technical skills, learn Python and SQL. In this case, the PU material is sufficient.

**Important Tips / Suggestions:**

You need to be sure about why you want a finance career. Make sure you understand what risk management is and be honest and sincere in the interview.





**Name:** Sriharsha Amam

**CGPA:** 7.24

**Role:** Security analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- Group discussion round
- Technical interview
- HR interview

**Recruitment Procedure:**

**Round 1: Group Discussion**

The discussion was on general topics but they were related to security issues in one or the other way.

**Round 2, 3: Technical Interview, HR Interview:**

The company did not have much time, so the conducted both the technical and HR interviews in the same round. The questions were easy. Basics of computer networking and cryptography and general idea of what cybersecurity is about should get one through the interview. HR observes the way the questions were answered, that includes confidence, posture etc. In my case, HR asked a few question about how I am as a team player and about my PS1 experience. After the offer was given, we were asked to give a psychometric test, which was easy and nothing to worry about.

**When did you seriously start preparing?**

Just brushing up the basics of cryptography and important topics of computer networks is enough. It shouldn't take more than 3 days to prepare for it. I googled the most important topics in computer networks and most frequently asked interview questions for cybersecurity role and that did the job

**Topics/ Skills essential/ recommended for selection:**

Computer networks, cryptography and a project in each of them is strongly suggested.





**Sources that helped in preparation:**

GeeksForGeeks for both Computer networks and cryptography

**Important Tips / Suggestions:**

Don't overthink it, cybersecurity is a very new field of computer science, so even they don't expect tons of knowledge in it from you. Be thorough with the basics and be confident about everything that you put on your resume and that should be enough.





**Name:** Niranjana D

**CGPA:** 8.01

**Role:** Risk Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Minor in Finance or MSc Economics degree is required

**Recruitment Procedure:**

**Round 1:** Resume Shortlisting

**Round 2:** A group discussion on the topic, 'Why would you think you could be a good risk analyst?'. Confidence and Communication skills were tested.

**Round 3:** Technical and HR interview -a few questions on SQL and other HR-related questions.

**Round 4:** Psychometric test - Personality test and some Aptitude questions.

**When did you seriously start preparing?**

After 3-2 Compre, I went through material provided by Placement Unit which was more than sufficient and brushed up on a few finance topics and projects.

**Topics/ Skills essential/ recommended for selection:**

- SQL - They do not expect you to be an expert. Knowing the basics and having the willingness to learn is enough.
- Python

**Sources that helped in preparation:**

- 1) Material provided by Placement Unit
- 2) DataCamp for practicing SQL

**Important Tips / Suggestions:**

They test your proficiency in SQL and Python, your confidence, attitude, communication skills, and willingness to learn. Make sure your resume is made thoroughly. Remain calm during the interview and make them develop an interest in you. Having the FRM designation will give you a very big advantage.





# McKinsey & Company

## McKinsey & Co.

**Eligibility:** B.E. (CSE, ECE, EEE, ENI)

**CGPA Cut-off:** 0

**Roles:** Software Engineer (Marketing and Sales Solution)

**Selects:** 1

**Selection Rounds:** 4

**CTC:** 12,00,000





**Name:** Faizaan Jehangir Meherally

**CGPA:** 7.3

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- 1 Online coding round
- 2 Technical Rounds
- 1 Behavioural round

**Recruitment Procedure:**

**Round 1: Online Test**

In the first round, I participated in an online coding test that featured two coding questions

**Round 2: Technical Interview 1**

Tech round 1 was one cc question on stack and priority queue.

**Round 3: Technical Interview 2**

The interview mainly dealt with the various aspects of my resume, including internships, projects, and the courses I had taken, such as Object-Oriented Programming (OOPs) and Operating Systems (OS).

**Round 4: Technical Interview 3**

The Behavioural round was generic HR questions and a few real life situations such as “Have you ever had a conflict of interest with your colleague at the university” or “Have you ever led or been a leader of a team”,etc.

**When did you seriously start preparing?**

About a month before the placements drive began.

**Topics/ Skills essential/ recommended for selection:**

To increase your chances of success in the selection process, it is essential to have a strong grasp of topics such as Object-Oriented Programming (OOPs), Operating Systems (OS), and Java backend programming to a reasonable extent. These concepts were particularly emphasised during my interviews.





**Sources that helped in preparation:**

GFG

LeetCode

**Important Tips / Suggestions:**

Be more development oriented and having prior Internship/Dev knowledge is better





## Merilytics

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** Senior Technical Associate, Senior Analyst, Senior Business Analyst

**Selects:** 1,0,4

**Selection Rounds:** 2

**CTC:** 900000,975000,900000





**Name:** Samay Goel

**CGPA:** 7.5

**Role:** Senior Business Analyst

**Selection Criteria:**

Your approach in the case interviews mattered more than whether you reached the final solution or not.

**Recruitment Procedure:**

1 aptitude test, 12 questions of simple data interpretation in 20 mins, 2 interview rounds.

**Round 1:** The first case was based on data interpretation, numbers were given. The interviewer is gauging how comfortable you are with numbers. The case isn't difficult, take your time and don't mess up the calculations!

**Round 2:** The second case was qualitative, no numbers were given. Your approach will be evaluated. Once you start practising cases, you will understand how to answer such cases.

**When did you seriously start preparing?**

- End of 4-1. Formed a case study group of 3 and did mock interviews every day based on profitability and market entry
- This is very important since you get to know your shortcomings and get ample time to correct your mistakes before the interviews.

**Topics/ Skills essential/ recommended for selection:**

- Case studies and aptitude questions.

**Sources that helped in preparation:**

- IndiaBix for aptitude
- case Interviews cracked pdf
- IIM A Consulting Casebook

**Important Tips / Suggestions:**

- Be confident while answering.
- Try to give a gentle smile before answering the interviewers' questions, keeps the tension away.





**Name:** Karri Nagadri Sai Sankar

**CGPA:** 7.88

**Role:** Senior Business Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

B.E. (All)

There is one test round and 2 interview rounds. In the test round, you will be asked questions pertaining to aptitude and mathematics. In the interview rounds, you will be given simple case studies and be asked to solve some more math problems.

**Recruitment Procedure:**

**Test Round:** You will be asked to solve an aptitude test containing 12 questions of simple data interpretation within 20 minutes.

**Interview Round 1:** Based on data interpretation, numbers will be given.

Interviewer will be gauging how comfortable you are with numbers, the case should not be too difficult, it is advised to take one's time and maintain accuracy with all your calculations.

**Interview Round 2:** Qualitative in nature, no numbers were given. Your approach will be evaluated. Once you start practicing cases, you will understand how to answer such cases.

**When did you seriously start preparing?**

I started preparing in December after my PS-2. I started by forming a group to prepare for mock interviews.

**Topics/ Skills essential/ recommended for selection:**

- Solve Case studies (Profitability, Market Entry, etc.)
- Guesstimates.
- Simple calculations.

**Sources that helped in preparation:**

Case in Point





**Name:** Bannuru Veera Siddhartha

**CGPA:** 7.75

**Role:** Senior technical associate

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Interviews were used as the main factor for selecting candidates.

**Recruitment Procedure:**

**1st Round:**

Resume Shortlisting

**2nd Round: Technical Exam**

There were 2 sections: Aptitude and Technical.

**3rd Round: Technical Interview**

Questions are mainly from python and SQL. For solving python, basic to intermediate level of python knowledge is required and for solving SQL questions, intermediate to advanced level of SQL knowledge is required.

**When did you seriously start preparing?**

I started my placements preparation from 3-2 i.e., for my summer internship but I wasn't able to get one. So, I continued my preparation during summer too.

**Topics/ Skills essential/ recommended for selection:**

Python, SQL, Excel.

For projects - Finance projects contribute to your expertise in the field.

**Sources that helped in preparation:**

Datacamp, YouTube, Udemy, Coursera





**Name:** Pranav Srinivas

**CGPA:** 7.46

**Role:** Senior Business Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

1. Resume Shortlisting
2. Analytics and critical thinking skills.

**Recruitment Procedure:**

**Round 1: Resume Shortlisting**

Resume shortlisting was done in the first round.

**Round 2: Online Test**

The Online test was based on aptitude, it was divided into 2 sections each of 15 minutes. One was logical reasoning and the other one was Data Interpretation.

**Round 3: Technical Interview**

A case study was asked with the data driven. Case Study: An American based company is currently selling plain yogurt, but now wants to sell flavored yogurt, find whether they can introduce the flavored yogurt or not, if yes find the optimal price of the flavored yogurt, so it maximizes their revenue.

**Round 4: Technical Interview and HR**

It consisted of a case study, Guesstimate and a few HR questions.

The Case study was as follows: A France based company is currently researching a device which measures the diabetics level, so currently they want to launch the device in the market. I was asked to find the price of the machine.

Guesstimate: Find number of diabetic people in India.

HR: General HR questions and few resume based questions.





### **When did you seriously start preparing?**

I started preparing seriously about 2 months before the placement season started.

### **Topics/ Skills essential/ recommended for selection:**

Business case studies, Data Interpretation, Guesstimates and basic SQL/Python are some essential topics to prepare.

### **Sources that helped in preparation:**

1. Some basic books that are must to do – Case in Point, Case Interview Cracked.
2. Youtube channels that can be used – caseinterview, IIM A's channel, Case interview Cracked, Crafting Cases.
3. Practice cases (in mock with friends) from casebooks of IIM A, ISB.
4. The BPHC training group material was also quite helpful along with Youtube and other coding practice platforms like Leetcode or hackerrank.

### **Important Tips / Suggestions:**

1. Practice aptitude tests frequently. Try to practise case studies with a friend/batchmate (one can pose as an interviewer and the other as interviewee). This will help you gain confidence while answering questions in the actual interview.
2. Try giving mock interviews with your friend/batchmate.
3. Be thorough with your resume and know the details of your projects.





**Name:** Shreyash Reddy K

**CGPA:** 9.1

**Role:** Senior Business Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Branch Eligibility: B.E. (All Branches)

The entire process is focused on how the candidate brings out insights from data and reasons for the same.

**Recruitment Procedure:**

**Round 1:**

**Written Test** - Consists of data and graph-based questions which requires rational thinking and reasoning.

**Round 2:**

**Interview 1** - Guesstimates round

**Round 3:**

**Interview 2** - Case Study round

**When did you seriously start preparing?**

2 weeks before placements.

**Topics/ Skills essential/ recommended for selection:**

- Quant topics
- Reasoning
- Structured thinking toward complex problems

**Sources that helped in preparation:**

- Case study books
- Case Interviews Cracked youtube videos
- Examly portal





**Name:** Shreyas K Ontivillu

**CGPA:** 8.03

**Role:** Senior Technical Associate

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- All B.E. Degrees
- Minimum CGPA Requirement = 7.00

**Recruitment Procedure:**

The recruitment procedure was a 3 - round process,

**Round 1:**

**Coding** - The round was solely based on Data Structures and Algorithms (DSA), its understanding and coding.

**Round 2 -**

**Technical Interview 1:** This round was completely based on the understanding of the DSA, Structured Query Language (SQL), and problem -solving skills.

**Round 3 -**

**Technical Interview 2:** This round too was completely based on the understanding of the DSA, Structured Query Language (SQL), and problem -solving skills.

**When did you seriously start preparing?**

I started preparing seriously for this, 6 months before the start of the Placement Drive. I had used YouTube as my primary source for learning, and LeetCode for practising questions.

**Topics/ Skills essential/ recommended for selection:**

- 1) Data Structures and Algorithms (DSA)
- 2) In depth knowledge of at least one programming language





- 3) At least one software - related project

**Sources that helped in preparation:**

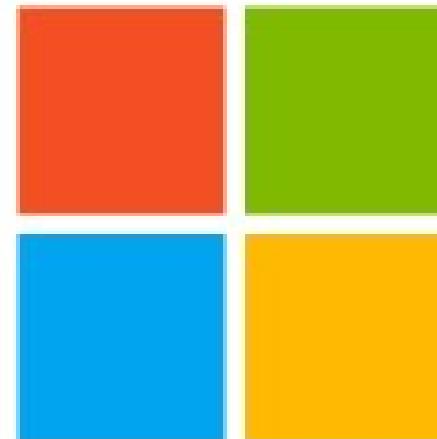
- 1) LeetCode for practice
- 2) <https://takeuforward.org/strivers-a2z-dsa-course/strivers-a2z-dsa-course-sheet-2/>

**Important Tips / Suggestions:**

Make sure you practise DSA well. Keep logical thinking on your fingertips, problem solving skills are a must. Projects are a very important part, and can be an added bonus in your resume.

Communication during the interview must be crisp and clear. Body Language is also important during an offline interview.





## **Microsoft Corporation**

**Eligibility:**(CS,ECE,ENI,EEE)

**CGPA Cut-off:** 7.0

**Roles:** Software Developer

**Selects:** 16

**CTC:** 51,03,200





**Name:** Janhvi Bahuguna

**CGPA:** 7.76

**Role:** SWE

**Semester Placed:** 1st

**Selection Criteria:**

None

**When did you seriously start preparing?**

After completing my 3-2 comprehensive exams, I devoted two months to serious interview preparation. I started by learning Backtracking on the coding ninjas platform (PU Sponsored Accounts), then shifted to Interviewbit to solve questions from each bucket of difficulty levels ranging from 4 to 7.

I followed the "Aditya Verma" YouTube playlist for Dynamic Programming and the "Hello World" playlist for Graph problems. Additionally, I regularly revised OOPS, DBMS, and OS using Interviewbit's Top 20 interview questions and the Gatesmashers playlists.

After the coding round, I focused on practicing HR question responses, utilizing the "Dan Alok" YouTube channel for guidance.

**Topics/ Skills essential/ recommended for selection:**

- DSA
- OOPS
- OS

**Sources that helped in preparation:**

- Interviewbit
- Geeksforgeeks
- Leetcode
- Youtube

**Important Tips / Suggestions:**

- Practice consistently preferably with a study partner or someone who helps in tracking daily progress
- Revise DSA topics covered weekly





- Cover all DSA topics till you're confident in solving leetcode medium level problems
- Make sure that you practice standard HR questions before interview





**Name:** Manan Agrawal

**CGPA:** 8.81

**Role:** SWE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:** Understanding of Data Structures and Algorithms & Operating Systems.

**Recruitment Procedure:**

- **Online coding round:** 2 medium level questions were to be solved in an hour.
- **Technical Interview 1:** Leetcode easy level questions were asked. The first one was to calculate  $a$  to the power  $b$  and the second one was to reverse a linked list.
- **Technical Interview 2:** I was asked to implement the LRU cache. I gave a solution using queues, the interviewer helped me implement it using doubly linked lists.
- **Technical Interview 3:** Discussed about my projects deeply, then I was asked a sorting question put in a different way.

**When did you seriously start preparing?**

Started serious preparation in 2-2. Did competitive programming although not very seriously until 2-2.

Thereafter I ensured that I did not miss any contests, upsolve questions, solve DSA questions on LeetCode and InterviewBit. Referred to Google for resolution of doubts.

Practised DSA throughout the duration of my internship to prepare for placement interviews. Maintained notes of core subjects including OS, OOP and DBMS.

**Topics/ Skills essential/ recommended for selection:**

- DSA
- OOP
- OS
- Internship Project





**Sources that helped in preparation:**

- Youtube (Abdul Bari, Tushar Roy)
- GeeksForGeeks
- JavaPoint
- InterviewBit
- LeetCode
- Codeforces

**Important Tips / Suggestions:**

If one gets shortlisted for Microsoft interviews, make sure to revise OS, Trees and Linked List as these are the most frequently asked concepts.





**Name:** Sai Prasoona

**CGPA:** 8.19

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

DSA, OS

**Recruitment Procedure:**

**Round 1:**

**(Online coding round)**

We were presented with two medium-level questions that needed to be solved within an hour.

**Round 2:**

**(Technical Interview 1)**

We were asked a couple of Leetcode easy questions. One of them involved calculating the result of raising a number 'a' to the power of 'b', while the other required reversing a linked list.

**Round 3:**

**(Technical Interview 2)**

I was tasked with implementing an LRU cache. Initially, I presented a solution that utilized queues. However, the interviewer guided me in implementing the LRU cache using doubly linked lists.

**Round 4:**

**(Technical Interview 3)**

We had an in-depth discussion about our projects. Afterward, I was asked a sorting question that was presented in a different manner.





### **When did you seriously start preparing?**

I did solve a few questions during my PS-1 but they didn't help much. Then, I started seriously preparing from the beginning of my 3-2 and solved as many questions as I could from the Love Babbar's 450 questions and honestly, they helped a lot. And also doing OOPS and OS courses helped.

### **Topics/ Skills essential/ recommended for selection:**

I had OOPS, OS, and DSA projects on my resume. And in my last round of the interview, the interviewer focused a lot on my projects and tested my knowledge of them. Knowing them wasn't enough, I had to explain them in detail. So yeah, they play a pretty good role. And also in my case, OS was a critical topic.

### **Sources that helped in preparation:**

1. Love Babbar's 450 questions.
2. GFG practice questions, and articles.
3. DSA training session conducted by our PU.

### **Important Tips / Suggestions:**

In the interviews they don't ask you hard questions, they simply test how well you can optimize the simple questions they ask. So work on your basics for interviews, All the best!





## Miko

**Eligibility:** B.E.(ECE, EEE, ENI, Mechanical, Chemical),  
B.E.(Mechanical, Chemical)

**CGPA Cut-off:** 6

**Roles:** Robotics Engineer, Jr Mechanical Engineer

**Selects:** 1,0

**Selection Rounds:** 2

**CTC:** 14 LPA, 5 LPA





**Name:** Sri Mihir Devapi Ungarala

**CGPA:** 7.97

**Role:** Robotics Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Experience in robotics.

**Recruitment Procedure:**

There were two rounds for selection.

**Topics/ Skills essential/ recommended for selection:**

I did a project related to SLAM. My entire final interview was related to that project.

**Important Tips / Suggestions:**

If you are doing any projects related to robotics or any experience in robotics, it helps.





**Name:** Esha Jain

**CGPA:** 8.05

**Role:** Jr. Mechanical Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Interview

**Recruitment Procedure:**

The recruitment procedure consists of 1 technical interview and 1 interview with the CEO.

**When did you seriously start preparing?**

I have not done any preparation.

**Topics/ Skills essential/ recommended for selection:**

Projects related to mechanical engineering or robotics





## Navi

**Eligibility:** B.E. (All), M.Sc (All), B.Pharm; B.E. (CS) ;  
B.E. (All), M.Sc (All), B.Pharm

**CGPA Cut-off:** None

**Roles:** SDE

**Selects:** 4

**Selection Rounds:** 3

**CTC:** 28 LPA, 28 LPA , 25 LPA





**Name:** Shivam Handa

**CGPA:** 7.86

**Role:** SDE-1

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

There were 3 rounds (one written round followed by two technical interviews).

**Recruitment Procedure:**

**Round 1: Online Test**

It consisted of 4 sections. 2 sections consisted of MCQs of aptitude and logical reasoning. The third section had 2 coding questions, which were of easy-medium difficulty on the topics of DP and Graphs. The fourth section consisted of 1 medium-hard Graph problem.

**Round 2: Technical Interview:**

The interview started with a formal introduction. Then three DSA questions were asked. One related to priority queues; the second was trapping rainwater; and the third was a modified version of the left view of the binary tree.

**Round 3: Hiring Manager Round:**

The interview started with a formal introduction, and the interviewer made sure that I was comfortable. We had an extensive discussion on what I understand by market," "mutual funds," etc., as I mentioned my interest in fintech companies. Then he asked some standard HR questions, like my three strengths and three weaknesses, etc.

Finally, he ended with a multi-source BFS question (a real-world problem converted it to a DSA question).

**When did you seriously start preparing?**

I had been participating in CC since my second year, but after 3-2 ended, I began taking DSA placements seriously. I used the summer break to thoroughly complete DSA and prepare CDCs since I didn't receive a SI. My goal for DSA was to respond to as many queries from BinarySearch.com and Leetcode as I could while also attempting to find the most optimal solution during





conversations. Try to plan with someone else who is as serious. It keeps you inspired (BinarySearch.com rooms were quite helpful).

### **Topics/ Skills essential/ recommended for selection:**

- DSA
- OOP (concepts of OOP should be clear and you should write clean & readable code)
- OS & DBMS ( There are some great playlists on youtube for these like gate smashers)

### **Sources that helped in preparation:**

DSA-

- 1)Codeforces and Codechef
- 2)Leetcode
- 3)Binarysearch.com
- 4)Siddharth Singh DSA Sheet  
(<https://docs.google.com/spreadsheets/u/0/d/11tevcTIBQslvRKIZLbSzCeN4mCO6wD4O5meyrAlfSXw/htmlview>).

5)CDCs- Gate smashers.

### **Important Tips / Suggestions:**

The primary emphasis is always on DSA each year. Don't, however, only prepare one thing. Try to cover every topic, such as OOPS, DBMS, OS, and some fundamental low-level design principles.





**Name:** Neil Mehta

**CGPA:** 8.03

**Role:** SDE-I

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Data Structures, DBMS, and System design concepts.

**Recruitment Procedure:**

There were 2 rounds. One was a round of system design. I discussed sharding, consistent hashing, local and global cache, and basic cryptographic concepts regarding hashing and storing data. I was given a real-world scenario in which I was tasked with making the data consistent and accessible. This round concluded with a spiral matrix question.

The second round consisted of LC easy-to-moderate DSA questions from the matrix, monotonic stack, and tree traversal, as well as some DBMS-related questions.

**When did you seriously start preparing?**

I started preparing right after compres of 3-2. Other topics such as OS, DBMS, OOP, CN, and System Design can be covered in 1-1.5 weeks. I kept this at the end.

**Topics/ Skills essential/ recommended for selection:**

DSA, System Design, DBMS

**Sources that helped in preparation:**

I believe Leetcode is sufficient, and for last-minute rapid revision, refer to your lecture notes or the pdf provided on interviewBit. In addition, I referred to several of the open-source pages that I have starred on my GitHub profile. You can also seek their assistance in your preparation. Please keep in mind that these are only for last-minute topic revisions. You must first have a solid comprehension of the themes.

Gaurav Sen (YT) is the best for system design. Aditya Verma is a strong choice for DP. Leetcode practice is excellent for other topics.





### **Important Tips / Suggestions:**

Navi had incredibly courteous interviewers. Both of the interviewers comforted me and we had a conversation rather than an interview. So, I would suggest keeping your calm, having confidence, don't hesitate to make mistakes as long as you keep fixing them along the way.

All the best.





**Name:** Aryaman Velampalli

**CGPA:** 7.7

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

### **Recruitment Procedure:**

#### **Round 1:**

There was one online coding round with one section on Logical Reasoning, one section on Aptitude, and three coding sections with a question each. There were approx. 10 questions each in the Logical Reasoning and Aptitude sections. In the coding sections, two of the questions I got were based on Graphs (one on BFS and the other on Disjoint Set) and the third question was on array/string manipulation.

#### **Round 2:**

The first interview round went on for about an hour. I got asked a question that involved using Max Heap. I was asked to explain my algorithm and why I want to follow this approach and then to do a dry run with a test case given to me. After that, I was asked to code my algorithm (in google docs). I was asked several questions about how my code would handle edge cases. I was then asked about the time and space complexity of my algorithm. After this, the problem was extended and the interviewer asked me how I would approach solving the new problem.

#### **Round 3:**

The second round was about 45 mins long. It was the Hiring Manager round. Honestly, this felt more like a chat with the Manager rather than an interview. In this round, initially, I explained the projects I worked on and I was asked for a few details of some of the implementations/algorithms used. After that, the Manager told me about what Navi does and I asked him many questions about the work culture, the algorithms they use to determine who are the customers that can get credit, and why they might not get loans from banks.

### **When did you seriously start preparing?**

I began my serious preparation in June and dedicated myself to practicing coding problems on platforms like LeetCode and Codeforces for two months. To enhance my understanding of Graph algorithms, I utilized the resources provided by LeetCode Premium, which proved to be extremely beneficial. To assess my progress and adapt to time constraints, I occasionally participated in contests on Codeforces. Additionally, I





solved problems from Atcoder and the CSES problem set to further refine my skills. As I explored new topics during my preparation, I made it a point to solve a minimum of 2-3 challenging problems related to each topic. This approach allowed me to solidify my comprehension and grasp the concepts thoroughly.

**Topics/ Skills essential/ recommended for selection:**

Graph Algorithms, Dynamic Programming. Make sure you are thoroughly familiar with any project you include in your resume (approach, implementation, frameworks, etc.)

**Sources that helped in preparation:**

1. Leetcode
2. CodeForce
3. Atcoder
4. CSES problem set

**Important Tips / Suggestions:**

Become comfortable with DSA, and know your projects well. Have confidence in yourself and peacefully attend the interviews. All the best!





## NCR Corporation

**Eligibility:** B.E. (All)

**CGPA Cut-off:** 0

**Roles:** SW Engineer I

**Selects:** 6

**Selection Rounds:** 3

**CTC:** 14,00,000





**Name:** Setu Patel

**CGPA:** 8.65

**Role:** Software Developer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Do well in interviews.

**Recruitment Procedure:**

- A test
- Two rounds of interview

**When did you seriously start preparing?**

I seriously started preparing in my 3-2. For DSA, start solving any interview lists that people make.

**Topics/Skills essential/recommended for selection:**

- DSA
- OOPS
- DBMS (important)
- A little bit of OS

**Sources that helped in preparation:**

The Striver SDE sheet was very helpful. It contains the most popular coding questions asked during SDE interviews and consists of 180 questions.

**Important Tips / Suggestions:**

Having more development projects on your resume is very important.





## NXP Semiconductors

**Eligibility:** B.E. (ECE, EEE, ENI)

**CGPA Cut-off:** 6.0

**Roles:** Software Engineer/Design Engineer

**Selects:** 8

**Selection Rounds:** 2

**CTC:** 23,10,000





**Name:** C Sri Suchendra

**CGPA:** 8.25

**Role:** Design Engineer (HW)

**Semester Placed:** 1st

**When did you seriously start preparing?**

After 3-2 comprehensive examinations.

Revised concepts of Digital Design, MEC, MPI, ADVD, Computer Architecture, FPGA and C programming.

**Topics/ Skills essential/ recommended for selection:**

Digital Design, Computer Architecture, MPI, MEC, ADVD and Verilog.

**Sources that helped in preparation:**

Digital Design and Comp Arch: Lectures and Slides by Chetan Kumar sir

Verilog: <http://www.asic-world.com/verilog/>

GFG C MCQs: <https://www.geeksforgeeks.org/c-multiple-choice-questions/>

Aptitude: <https://www.indiabix.com/aptitude/questions-and-answers/>

**Important Tips / Suggestions:**

- Be thorough with your projects
- Know well about the company and their area of work
- Learn VLSI Design and HDL
- Positive attitude





**Name:** Supratim Chatterjee

**CGPA:** 8.74

**Role:** Design Engineer(Hardware Role)

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

The CGPA cutoff for the online test was 6.5. Based on the performance of the online test, candidates were shortlisted for an interview.

### **Recruitment Procedure:**

There were 2 rounds -

- **Round 1:** Online Test
- **Round 2:** Technical Interview

In the online test, there were 3 sections:-

- 1) First section consisted of MCQs with a marking scheme of +3, -1.
- 2) Second section consisted of 5 subjective questions with a marking scheme of +5,-0.
- 3) Third section consisted of one question in which we had to design a mod-6 counter using JK flip-flops. Marks for this question were +5,-0.

The mode of the test was online, and the test duration was around 75-90 minutes.

The MCQs were mainly related to Digital Design and the digital part of ADVD. There were a few questions related to computer architecture, microprocessors and aptitude. Analog questions had little weightage.

The subjective questions were related to transistor sizing; given a particular part of the circuit is stuck at 0, find the minimum number of inputs you require to find the fault. Another question related to static timing analysis asked to find whether there is setup and hold violation in the circuit etc. The subjective questions needed the steps used for arriving at the solution.

The design question required us to draw the circuit using elements provided in the editor. Circuit elements such as flip flops, and logic gates were provided in





the editor.

The next round was the technical interview. The interview consisted of two panellists. The interview lasted for around 45-50 mins. After my introduction to the panellists, the questions asked in this round were:-

- 1) Steps involved in VLSI design workflow.
- 2) Explain my Image Classification project done as part of a course.
- 3) Tell the difference between HDL languages and programming languages.
- 4) Explain the difference between static timing analysis and dynamic timing analysis. In static timing analysis - what do you understand by setup time and hold time? How would you resolve setup violation and hold violation?
- 5) Given a binary number, find its 2's complement.
- 6) What is grey code, and how would you generate grey code from a given binary number (I had to give the logic, not the circuit diagram)
- 7) I vs V characteristics for MOSFET (Id vs V<sub>gs</sub>, Id vs V<sub>ds</sub>).
- 8) Verilog code for D flip flop. Add reset to the above code. Types of reset (asynchronous reset and synchronous reset).
- 9) Convert a latch into a flip flop (the interviewer didn't want the master-slave combination answer. The correct answer was to reduce the duty cycle of the clock)
- 10) Draw the FSM for a given sequence. (The FSM had to be an overlapping sequence detector).
- 11) MUX circuit for a 2 input AND gate.
- 12) Difference between Moore and Mealy models and which is faster.
- 13) The Difference between blocking and non-blocking statements in Verilog (I answered how circuits are synthesised with blocking and non-blocking statements. The interviewers were happy with it).
- 14) How many address lines are required to address a 4K memory?
- 15) How many numbers can be counted using 2 flip-flops?
- 16) What are the regions in which a MOSFET operates? Why is the triode region called the triode region? (The Id equation depends on 3 variables V<sub>gs</sub>, V<sub>ds</sub> and V<sub>ds</sub><sup>2</sup> hence the name triode)
- 17) What is L in a 7 nm process?
- 18) Full adder circuit using half adder circuit.

Few other questions which were not asked in this interview but can be asked:-





- 1) Number of 2-input MUX circuits required to implement a 6-input AND gate and draw the circuit for the same.
- 2) Given a Verilog code, draw its circuit and identify the circuit.
- 3) What is the difference between ASIC and FPGA?
- 4) What do you understand by metastability, and how would you resolve it? Given a circuit, do we need to resolve the metastability, or it resolves on its own?
- 5) I Was asked for the details of the FPGA board used in my FPGA project

### **When did you seriously start preparing?**

I had started preparing during the SI season but could not get an internship and left midway in 3-2. Then, I started again from the beginning of July before placements started. I would recommend starting as early as possible.

As I had not taken the computer architecture course in college, I took the Computer Architecture course from Princeton on Coursera. The first two weeks of the course cover the important content which is usually asked in online tests, such as the basics of pipelining etc. I also tried solving the problem sets given in those two weeks of material. Next, I brushed through a few of Chetan Sir's slides and videos on Computer Architecture.

After this, I revised the digital design from the course slides and began solving gate questions related to digital design and memory logic. Then, I went through the digital part of ADVD related to transistor sizing, propagation delays, designing CMOS circuits of a given logic etc.

I went through a few tut videos uploaded by Surya Shankar Dan Sir on youtube.

Next, I prepared for static timing analysis from a website, as they are usually asked in interviews and online assessments for digital roles. I went through the circuit diagrams of opamp circuits, such as Schmitt trigger, differentiator etc. and solved some basic RC circuits.

Lastly, I went through Razavi's lectures on Youtube related to the basics of MOSFET as they are asked in interviews.

I was also preparing DSA side by side for IT roles, so I didn't have to specifically prepare for the programming sections(MCQs) asked in some hardware





companies' online tests.

### **Topics/ Skills essential/ recommended for selection:**

The most important topic is Digital Design and the basics of MOSFET. Usually, questions are asked to design a logic circuit using a MUX. The structure of a MOSFET must be known as sometimes it is required to draw the internal structure of a MOSFET with substrate layers, gate terminals etc. The internal structure of CMOS is also important. Practice explaining how circuits are synthesised with a given Verilog code.

For the test, it's important to have speed and accuracy in solving the problems. Almost all hardware companies have an aptitude section that is usually easy but needs to be done quickly, leading to silly mistakes.

For the interview, the interviewers usually ask questions from the basics and go deep into it. Rather than focusing on many topics before the interview, I suggest revising the basics and ensuring you understand them.

For projects, I would recommend putting all technical projects done. For example, in my interview, I was asked to explain my Image processing project rather than the FPGA project I had done. Be prepared for questions such as - What if we change/add a particular functionality of the project, What you would do differently if you did the project now etc.

Ensure you know all the details of your projects mentioned in the resume and prepare them one day before the interview.

### **Sources that helped in preparation:**

1) Coursera course on Computer Architecture

(<https://www.coursera.org/learn/comparch> )

2) Razavi playlist on MOSFETS

(<https://www.youtube.com/watch?v=dIOlxAcfBo4&list=PLunAuxHqEAijgoKKoo7aYYvXtjiVwbin5>)

3) Problems related to Digital Design, FSMs etc.

(<https://questions.examsidex.com/past-years/gate/gate-ece>)

(<http://web.mit.edu/6.111/www/f2005/tutprobs/fsms.html>)





- 4) ADVD tuts by Dan sir  
(<https://www.youtube.com/channel/UCZb51ufA7UuuKdD64aezTLg>)
- 5) For logic and puzzles asked in interviews, you can go through the Indiabix website and GeeksforGeeks.
- 6) Static timing analysis  
(<http://www.vlsi-expert.com/2011/04/static-timing-analysis-sta-basic-part3b.html>)
- 7) A course related to the intersection of hardware and software used in industries  
(<https://www.udemy.com/course/introduction-to-digital-transformation/>)
- 8) Previous year placement chronicles

### **Important Tips / Suggestions:**

The online assessment of the test was not tough, and it can be easily cleared if you have practiced problems related to digital electronics. Most questions in this section are already done by 3-1; hence, only problem practice is required to clarify it.

For the interview, I would suggest to keep on explaining the approach while solving a problem to the interviewer. If you know something more related to the question being asked, make that a part of your answer. Sometimes, the interviewer asks a difficult problem where they see your approach rather than whether you get the correct answer. The interviewers were friendly, and the interviewers even corrected me in 2-3 questions where I had given the opposite answer or could not arrive at the solution.

The introduction part of the interview is also important as it helps you set the interview's tone and makes the interviewer ask you questions related to your strengths. Prepare for some standard HR questions before a technical interview, as sometimes they are also asked in the technical interview.

Lastly, keep calm and prepare well for the topics. The content may seem a lot initially, but you can cover all the topics with a good study schedule. Many core companies came to hire; anyone preparing seriously for the core will be placed.





# NYKAA

## NYKAA

**Eligibility:** B.E. (CSE,ECE,EEE,ENI)

**CGPA Cut-off:** 6

**Roles:** SE (Software Engineer)

**Selects:** 9

**Selection Rounds:** 3

**CTC:** 1500000





**Name:** Akshar Kanawade

**CGPA:** 8.18

**Role:** Software Developer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

1 Coding test and 2 Interview Rounds

**Recruitment Procedure:**

**1. Coding Test:**

The coding test primarily focused on basic Data Structures and Algorithms (DSA) based coding questions. Additionally, it included multiple-choice questions (MCQs) covering topics like aptitude, SQL queries, and other related areas.

**2. Interview Round 1:**

In the first interview round, the interviewer began with a brief introduction and proceeded to ask two coding questions. The topics covered were Trees and Priority Queue. The questions were similar in difficulty to medium-level Leetcode questions.

**3. Interview Round 2:**

The second interview round involved the hiring manager. It commenced with a discussion about your PS1. The conversation then transitioned to DSA, covering fundamental concepts related to arrays, linked lists, queues, and priority queues. Specific points of discussion included memory allocation and practical applications of these data structures. Subsequently, the interview moved on to Operating Systems(OS), where basic questions were asked regarding scheduling algorithms and deadlock.

It's important to note that these are general descriptions based on the information provided, and the actual interviews may contain additional or different topics based on the company's requirements and interviewers' preferences. Being well-prepared in the areas of DSA, problem-solving, and OS concepts would be beneficial for the interviews.





### **When did you seriously start preparing?**

While I started my serious preparation during the summer vacation prior to the placement semester, I would suggest allocating more time for preparation to maximize your chances of success. Coming from an Electrical and Electronics Engineering (EEE) background, I had to begin with the foundational concepts. Initially, my focus was on Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOPS). Subsequently, I also delved into Operating Systems (OS) to broaden my knowledge base.

Considering the diverse range of topics and the need to build a strong foundation, it is advisable to allocate sufficient time for each subject. Prioritize understanding the core concepts, practicing coding problems, and exploring real-world applications to reinforce your learning.

Additionally, make use of available resources such as textbooks, online tutorials, coding platforms, and practice interviews to augment your preparation. Regular practice and continuous learning will help you solidify your understanding and develop problem-solving skills.

### **Topics/ Skills essential/ recommended for selection:**

Indeed, the core computer science subjects including Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPS), Operating Systems (OS), and Database Management Systems (DBMS) play a crucial role in technical interviews and coding tests.

It is highly recommended to have a solid understanding of these subjects as they form the foundation of computer science knowledge. Familiarize yourself with key concepts, data structures (such as arrays, linked lists, stacks, queues, trees, graphs), algorithms (such as sorting, searching, and graph algorithms), OOPS principles, OS fundamentals (such as process management, memory management, and concurrency), and DBMS principles (such as relational database concepts and SQL queries).

To reinforce your knowledge and problem-solving skills, solving a variety of problems from platforms like LeetCode, InterviewBit, BinarySearch, and similar





coding challenge websites is highly beneficial. These platforms offer a diverse range of problem types and difficulty levels, which align well with the types of problems often encountered in coding tests and interviews.

By actively practicing and solving problems from such platforms, you can enhance your problem-solving abilities, improve your coding proficiency, and become familiar with common problem patterns and techniques.

Remember to analyze the solutions of others, seek help from online communities, and strive to understand the underlying principles and techniques behind each problem. This will help you develop a strong problem-solving mindset and prepare you for the challenges you may face in coding tests and interviews.

Continual practice and exposure to different problem scenarios will improve your confidence and readiness for technical assessments. Best of luck in your problem-solving endeavors!

### **Sources that helped in preparation:**

I would like to share some valuable sources that greatly aided me in my preparation and helped me excel in my endeavors. These resources include Leetcode, InterviewBit, and BinarySearch, among others.

Leetcode, renowned for its comprehensive collection of coding problems, provides a platform to enhance your problem-solving skills. It offers a wide array of coding challenges and solutions that can greatly contribute to your technical growth.

InterviewBit is another valuable resource that offers a curated set of interview questions and provides a platform for practicing coding problems. It helps you simulate real interview scenarios and equips you with the necessary skills and confidence to tackle technical interviews.

In addition, I highly recommend exploring BinarySearch, which not only offers an extensive range of coding problems but also provides a unique feature that allows you to create custom contests. This enables you to engage in friendly





competitions with your peers who are at a similar skill level. Participating in these contests has proven to be an excellent way to enhance problem-solving abilities and learn from others' approaches. I personally solved numerous problems and expanded my knowledge base through this feature.

By utilizing these sources effectively, you can strengthen your coding skills, develop a deep understanding of algorithms, and enhance your problem-solving capabilities. Remember, consistent practice and dedication are key to success in this field.





**Name:** P Akhil  
**CGPA:** 7.15  
**Role:** Software Engineer-Technology  
**Semester Placed:** 1st  
**Mode of Offer:** On-Campus Placements

### **Selection Criteria:**

DSA skills

### **Recruitment Procedure:**

**1st Round:** It was an online coding assessment. 2 coding questions and a few multiple choice questions (MCQs) were asked, both the coding questions were leetcode medium.

**2nd Round:** It was solely based on DSA, 3 questions were asked. All were leetcode medium and standard questions based on binary search and missing numbers were asked.

**3rd Round:** It was a HM round, 2 DSA questions were asked

1. Count number of nodes in a tree
2. Implement a queue using array in O(1) time complexity.

### **When did you seriously start preparing?**

I started preparing before SI, didn't land one though. During the summer break, I focused on DSA and also on computer fundamentals.

### **Topics/ Skills essential/ recommended for selection:**

1. DSA
2. OOPS
3. OS
4. DBMS: I had a deployed mern stack project.

### **Sources that helped in preparation:**

1. binarysearch.com
2. GFG
3. leetcode
4. codehelp
5. Apnikaksha





**Name:** Anandapadmanabhan S

**CGPA:** 7.94

**Role:** SDE-1

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

- 1 Coding round
- 2 Interview rounds.
- No CG cutoff or course eligibility.

**Recruitment Procedure:**

**Round 1:** Coding Round - The coding round contained 2 DSA questions and some multiple-choice questions. Both the questions were pretty easy. I remember one question, which was the “Container with most water” question available on InterviewBit’s website; I used a couple of pointers to solve that question. About 50 students qualified for the interviews.

**Round 2:** 1st Technical Interview: This interview consisted of questions solely based on DSA. After giving a basic introduction of myself, the interviewer asked me 3 questions within the time limit. The 1st question was to check if a linked list was a palindrome or not. The second question was to find the Kth smallest number in a 2D array which was sorted randomly. The last one was regarding some duplicate elements in an array. I was able to answer all three questions. Of course, I was expected to give my answers with specific space and time complexities. If you're not able to come up with a solution, I would suggest first starting with brute force or an obvious approach and trying to build the best solution from there. I was told I got selected for the next round after around an hour.





**Round 3:** 2nd Technical Interview: I was asked to design a basic car wash enterprise with specific requirements. I had to draw the entity relationship diagram which had all the entities, their attributes and the relation between them. I defined all the tables I would use and the cardinality mapping between those different tables. I was also asked to roughly define the different classes and their relationship (how they would extend each other). This went on for about an hour with constant tweaking of my design to improve it. Overall the interview went smoothly and he was pretty satisfied with what I came up with.

### **When did you seriously start preparing?**

I started preparing after 3-2 compres (I had 2-3 months). Firstly, I did topic-wise questions based on DSA and used GeeksforGeeks to learn theory parallelly. After covering all the topics I started doing questions randomly from InterviewBit/LeetCode. I mostly only did medium-level questions and occasionally hard ones. I started revising OOPS and DBMS only when the placements started. It was enough for me but this would vary depending upon your knowledge in these areas.

### **Topics/ Skills essential/ recommended for selection:**

DSA - Trees, graph, dp, LL, stack, queue, heap, etc.

OOPS, DBMS, OS

Some people do get asked questions from OS but I did not get any during my interviews (luckily as I had 0 prep).

### **Sources that helped in preparation:**

DSA theory - GeeksforGeeks

Problems - LeetCode, InterviewBit, GeeksforGeeks

OOPS - Gururaj slides

SQL queries (mainly join operations) - w3schools

Other topics - Javatpoint





### **Important Tips / Suggestions:**

I would suggest keeping a record of all the questions you are doing; this would make your revision easier as mostly when the placements are going on, you will be revising the questions that you had already done rather than solving a new one. Be patient and don't let the pressure affect you in any part of the placements. You guys will have lots of things going on around you (multiple tests and interviews during the same day) but stay calm. Be confident in whatever you know. You might not clear the coding rounds initially but eventually, you will start clearing those as long as you have a decent level of preparation. In interviews, try to be interactive and make sure to speak your mind out loud so that the interviewer will know about your thought process and will tell you whether you are thinking in the right direction or not. Also, you have to be thorough with the projects that you did in OOPS or DBMS or both. You will get in-depth questions from them for sure in your interviews.





# O9 Solutions

## O9 Solutions

**Eligibility:** B.E all except C.S.

**CGPA Cut-off:** 6.5

**Roles:** Consultant

**Selects:** 3

**Selection Rounds:** 2

**CTC:** 101870





**Name:** Rohith Attilli

**CGPA:** 8.1

**Role:** Consultant

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA should be greater than 7.

**Recruitment Procedure:**

The recruitment procedure comprised of 2 rounds:

**Round 1:** Aptitude Test

**Round 2:** Interview round

The interview was mostly based on my resume.

**When did you seriously start preparing?**

I started preparing for the placements 2-3 months prior to the date of the first round.

**Topics/ Skills essential/ recommended for selection:**

I highly recommend being skilled in SQL and Python. Also, Case Study preparation will benefit you a lot.

**Sources that helped in preparation:**

Placement prep modules and prep materials.

**Important Tips / Suggestions:**

1. Be thorough with your resume.
2. Put those details in the resume which you have done perfectly.
3. Know about the company before attending the interview.
4. Always be honest about your work.
5. Be cool in the interview.
6. It's okay to fail here.
7. You'll know what is wanted from you the next time.





## Park Plus

**Eligibility:** B.E all, M.Sc all.

**CGPA cutoff:** None.

**Role:** Software Development Engineer.

**Selects:** 2

**Rounds of Selection:** 3

**CTC:** 34,00,000





**Name:** Ayushman Sachan

**CGPA:** 7.66

**Role:** SDE-1

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

There was no CGPA cutoff, but only Computer Science and Phoenix students were eligible.

**Recruitment Procedure:**

3 Rounds of Technical Interviews were held.

- First round was outsourced to a third party, it was a DSA round, 1-2 easy (map/set/queue/stack) questions, 1 medium backtracking question.
- Second round was a System Design and Operating Systems round, but had not seriously prepared for it, was asked about sharding and handling huge server loads, multithreading and multiprocessing questions.
- Third round was again a DSA round, and was asked medium-hard questions on - bit masking, dynamic programming.

**When did you seriously start preparing?**

I started seriously preparing in mid-June, all the way till August, mostly solving Leetcode. Leetcode daily is the bare minimum if you're preparing for Software roles, InterviewBit is great to track progress and polish your understanding on specific topics. You can compare your progress against your batchmates, which really gives motivation to do better.

**Topics/ Skills essential/ recommended for selection:**

Everyone knows about DSA, but do not forget to prepare OS and OOPS well. If you are sitting for a product based startup, or a backend role, knowing basic System Design concepts can be very handy. Aim to have at least 2 SOLID projects on your resume (should cover a popular backend framework, basic database modelling skills), ideally before you start preparing seriously for placements. It is a popular belief that PS-1 is just a formality, but if you land in a





good company, you can definitely use that experience to make your resume stand out.

**Sources that helped in preparation:**

LeetCode learning paths are very underrated, I learnt the basics of DSA from there (arrays, string manipulation, stacks, queues, maps, sets, sorting and even dynamic programming). For Graphs and advanced DP, stick to any one popular YouTube playlist (Ex- Aditya Verma)

**Important Tips / Suggestions:**

Prepare for DSA, System Design, OS - in that order.





## Piramal Group

**Eligibility:** B.E. CS, ECE, EEE, ENI, Mech;  
B.E. CS, ECE, EEE, ENI

**CGPA Cut-off:** 7

**Roles:** Management Trainee - BIU (DS Role)  
Management Trainee - SDE

**Selects:** 4, 6

**Selection Rounds:** 3

**CTC:** 20,50,000





**Name:** Ruban S

**CGPA:** 8.73

**Role:** Management

Trainee-SDE

**Semester Placed:** 1<sup>st</sup>

**Mode of Offer:** On-Campus

Placements

### **Recruitment Procedure:**

#### **Round 1: Online Test**

There was an online test that had 3 sections:

1. **Section 1** tested English skills
2. **Section 2** tested logic skills
3. **Section 3** had two DSA questions
  - a. Given 8 lights and their states on a day, the state of the light the next day depended on the states of the previous day, find the state after n days.  $n < 1e6$  so brute force passed 13/13 test cases
  - b. Given two types of books, where each book has a rating and price, find the maximum sum of ratings of books that can be bought with a given amount of money, provided at least one book of each type must be bought. It's a slight variation of 0/1 knapsack and my code passed 17/19 test cases.

#### **Round 2: Technical Interview 1**

This round was a technical interview where I was interviewed by an SDE-3 employee. He asked me to introduce myself and asked me about the Software Engineering project in my resume, specifically how it was hosted. He then asked me to write code for two DSA questions on paper and he did a dry run for each program to verify its correctness.

Q1:<https://www.geeksforgeeks.org/shortest-distance-two-cells-matrix-grid/>

(source was (0,0) and the target was (m-1,n-1))





Q2: Output decimal equivalent of binary values (from leaf to node) in a binary tree. Initially, I gave a non-optimal solution and was stuck in the middle, but the interviewer gave me a small hint that helped me come up with a proper solution.

Both questions were BFS, one was BFS on the grid and the other was BFS on a binary tree.

### **Round 3: Technical/HR Interview 2**

The second round of interviews was more of a HR than a technical interview. There were two panelists, the panelist who asked technical questions is a 2010 Pilani alumnus.

I was asked to introduce myself and the HR panelist asked me a couple of questions about my school and college life. The technical panelist asked me about my SE project and asked me a question regarding MongoDB, to which I had given the wrong answer. The HR pane panelist asked me a standard HR question about how I would deal with a project with a fast-approaching deadline and teammates who are unable to contribute due to covid. I answered the question by mentioning a similar scenario that happened to me during one of my projects in online sem. In the end, I asked the panelist about the future prospects and targets of the company.

#### **When did you seriously start preparing?**

I had done very little prep during SI drive, and started more serious preparation after 3-2, in the summer vacations.

For DSA, I solved problems on Leetcode (by referring to various SDE sheets) and referred to popular YouTube channels for problems where I was stuck.

#### **Topics/ Skills essential/ recommended for selection:**

DSA was the main skill tested in the hiring process of this company





### **Sources that helped in preparation:**

1. Leetcode
2. Geeks For Geeks
3. Various YouTube channels

### **Important Tips / Suggestions:**

In general, I would suggest preparing for placements, not after the second year. The earlier you start your preparation, the more confident you will be in giving coding questions, and the more time you will get to prepare other CS topics and/or projects that you can add in your resume.

Try finding popular coding questions asked in online assessments/technical interviews in Leetcode discussions or GFG archives.





**Name:** Vineet Venkatesh

**CGPA:** 8.96

**Role:** Management Trainee - BIU (Data Science Role)

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA > 7.0

**Recruitment Procedure:**

**Round 1: Online Assessment**

It is an exam that consists of three sections. Section 1 tests English skills; Section 2 tests Logical Thinking, and Section 3 tests DSA.

**Round 2: Technical Interview**

It is an interview with an employee who will question you about your past projects and how they were implemented. He/she will then ask you to write code for 2 DSA questions.

**Round 3: HR Interview**

Two panelists - a manager and a technical expert - will ask you standard HR questions to check how you deal with adversity.

**When did you seriously start preparing?**

I had started preparations in my 3rd year for the Summer Internship (SI) drive. Accordingly, I just needed to revise important concepts right before the tests and interviews.

**Topics/ Skills essential/ recommended for selection:**

DSA, Problem Solving, and Machine Learning are essential topics for selection. ML, FoDS, DL, DSA, and DBMS are the courses that should be completed and revised.

College projects (I had one LOP and a DOP).





### **Sources that helped in preparation:**

Practice: Leetcode, Interviewbit.

Theory Revision: Course slides and notes.

### **Important Tips / Suggestions:**

You have to be ready to answer any and all questions related to anything mentioned in your resume. It is important to be confident about your projects and everything on your resume.





**Name:** Harsh Gupta

**CGPA:** 8.41

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

**Round 1: Online Test**

**Round 2: Technical Round 1**

The first interview round was mainly technical with questions about my past projects, and what exactly was implemented in those projects. The questions were also related to the technologies used in the project. I was not aware of many of the questions but I tried answering them to the best of my knowledge and it helped. There were also some easy DSA questions.

**Round 3: HR round**

The second interview was the manager/HR round. They mostly asked me basic HR questions and some questions about my past internships.

**Selection Criteria:**

CGPA cut-off 7.0

**When did you seriously start preparing?**

I started preparing very late, approximately one month before the placement cycle. This was majorly because I already had done some preparation during the SI period which helped me get started faster.

**Topics/ Skills essential/ recommended for selection:**

The DSA questions were easier as compared to other companies both in the online test and the interview(most of them were standard and straightforward).

The questions in the interview touched on all the core CSE topics and they started out on the basics and slowly built on those questions. They were looking for some terms in your answer and clarity on the basics.

I mentioned my internship and PS-I as my work experience and my course projects(OOPS and DBMS). They were not great projects but all that is important is that you know what was implemented and how because they will ask you that.





### **Sources that helped in preparation:**

- InterviewBit
- GeeksForGeeks

### **Important Tips / Suggestions:**

Just stay calm during the interview, if you are stuck on a question you can simply point it out to the interviewer and they will either provide a hint or provide a separate question.





# Providence

## Providence India

**Eligibility:** B.E. CS, ECE, EEE, ENI

**CGPA Cut-off:** 6.5

**Roles:** Data Analyst Engineer

**Selects:** 9

**Selection Rounds:** 4

**CTC:** 18 LPA





**Name:** Jatin Mangla

**CGPA:** 8.38

**Role:** Data Analyst

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Coding round

**Recruitment Procedure:**

There were 4 rounds.

DSA and DBMS were the primary focus.

**When did you seriously start preparing?**

After my 3-1.

**Topics/ Skills essential/ recommended for selection:**

Questions on DSA and DBMS were asked mostly.

**Sources that helped in preparation:**

1. Leetcode

2. Gfg

**Important Tips / Suggestions:**

Practice on binarysearch.com by making groups with your friends.





**Name:** K. S. V. L. Druthi

**CGPA:** 7.93

**Role:** Data Analytics Engineer (SDE)

**Semester Placed:** 1st Semester

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA should be above 6.5.

One should know the OS, OOPS, DSA, SQL and Data Analytics basics.

**Recruitment Procedure:**

**Test Round: Section-wise**

Aptitude MCQs

OS and OOPS-based MCQs

DSA-based MCQs

Coding round (but only in Python/R)

**Interview Rounds:**

**Round 1:**

Basic DSA questions, basics of CS (OS OOPS) and a few SQL queries were asked.

**Round 2:**

We had to use Data Analytics and enquire if anyone was using data (images, videos) of our own by duplicating and encrypting it. The task was to find a solution if you find out that copyright rules were violated for your data.

**Round 3:**

HR round - Generic HR questions were asked.

**When did you seriously start preparing?**

I started preparing after my 3-2, learning and practicing DSA, revised OS, and OOPS concepts. I went through DSA sheets (Love Babbar's and Striver's), solved all the standard problems and solved a few extra questions in important





DSA topics to get hands-on knowledge of the same.

I followed Leetcode, and Interviewbit (specific to companies I have interviews for), to practice programming. I also followed GeeksForGeeks and YouTube series (Striver, Apna College) to understand the basics.

### **Topics/ Skills essential/ recommended for selection:**

The topics and skills I would recommend for selection are:

1. DSA
2. OS
3. OOPS
4. DBMS

Projects I have done as part of Data-Science specific courses (ML, RL) helped me answer questions related to data analytics.

### **Important Tips / Suggestions:**

As the role says, do not think you'll only be asked questions about data analytics or data science. There is much more scope than just data analytics and data science, and you'll do completely fine if you know the basics of everything mentioned above.

All the best!





**Name:** Aditya Soni

**CGPA:** 7.93

**Role:** Data Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

The selections were made based on data science knowledge, DSA and extensive questioning on projects I was involved in.

**Recruitment Procedure:**

3, DSA(python) + sql, HR, HR

**When did you seriously start preparing?**

A month prior to placements, I practiced DSA daily and SQL the day of the exam.

**Topics/ Skills essential/ recommended for selection:**

I would recommend learning python and doing data science internships to be better prepared for the interview.

**Sources that helped in preparation:**

Leetcode and geekforgeeks helped me prepare for interviews.

**Important Tips / Suggestions:**

Only Python and data science are required. Exhibit an interest in healthcare to impress the HR department.





**Name:** Mahavir Chaudhari

**CGPA:** 7.6

**Role:** SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Data science knowledge, DSA, and Projects.

**Recruitment Procedure:**

**Round 1(Coding Test):**

Consisted of questions based on aptitude and logical reasoning followed by CS fundamentals and two easy DSA questions. The test lasted for 2 hours.

**Round 2(Interview 1):**

DBMS mainly SQL-based questions were asked, followed by basic programming DSA questions. Later there was a discussion on previous work experience from the resume. A programming question on Regular Expression Matching was given. This was slightly easier than the round 2 interview.

**Round 3(Interview 2):**

Both of the interviews were similar in pattern. Consisted of programming questions on Reverse Integer and Rotate Image. These were available on leetcode with the same name. I was able to solve both questions in under 30 minutes, the rest of the time was used in resume discussion.

**HR Interview:**

It was a short 20 minute HR round, mostly on how you would go about solving a given problem. Followed by basic questions like, How do you see yourself in 5 years. No technical questions were asked.

**When did you seriously start preparing?**

For the placement season, I started about 6 months before day 0. I already had prepared for the SI season so it wasn't that hard to catch up.





**Topics/ Skills essential/ recommended for selection:**

1. DSA.
2. SQL.
3. DBMS.
4. Campus course slides are one way to go.

They were interested in my projects based on Software development and Machine learning.

**Sources that helped in preparation:**

1. InterviewBit and Leetcode are enough for the DSA part.
2. For DBMS, OS, CN, and OOPS there are playlists on youtube for quick revision. I followed the gate smashers channel.

**Important Tips / Suggestions:**

DSA wasn't tough as compared to other companies at that time. SQL and DBMS were a must and fundamentals of OS. In both tech interviews, they focused on ACID and BASE concepts of DBMS a lot. So if you don't know them well, go through them before sitting for interviews. Python was a plus point. But only the basics are fine too. They focused on soft skills more than other companies in the interviews. Make sure you are truthful and clear about your skills and weaknesses. Be frank and comfortable during your interviews but not too much.





**PUBLICIS SAPIENT**

## Publicis Sapient

**Eligibility:** B.E. CS, ECE, EEE, ENI

**CGPA Cut-off:** 7.0

**Roles:** Associate SDE

**Selects:** 2

**Selection Rounds:** 3

**CTC:** 2060000





**Name:** Pradeep Alapati

**CGPA:** 7.33

**Role:** Associate SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:** Mainly based on DSA, OOP, OS for the online and technical rounds.

### **Selection Procedure:**

A total of three rounds.

**Round 1 :** Online coding round.

**Round 2 :** Technical round.

**Round 3 :** HR round.

### **When did you seriously start preparing?**

I started sincerely preparing once the internship season began in my 3-1. The basics of CS F111 helped and I bought a course from Coding Ninjas (DSA in C++) for 6 months.

OOPS from the campus DEL OOP by Professor R.Gururaj Sir.

OS and DBMS from a YouTube channel called Gate Smashers.

### **Topics/ Skills essential/ recommended for selection:**

DSA, OOP, OS mainly and a little bit of DBMS and Computer Networks. I wasn't asked much about my projects, but my projects sure did help me for my resume and introduction during the interviews.

### **Sources that helped in preparation:**

Campus Courses- C programming, OOP, OS

Coding Ninjas (DSA in C++)

YouTube channel called Gate Smashers which contains almost all CS topics taught during BE/B.tech





### **Important Tips / Suggestions:**

Approach for an SDE role or Software engineer role would be the same for almost all companies that come for campus internships or placements. I suggest that once you complete the CS F111 (C programming) course taught during our 1st year, learn either one of C++ or Java programming language and start preparing DSA as soon as possible. A focussed preparation of 6 months would be enough on average. Go in a systematic or guided manner by following a course from Campus, Udemy, Coding Ninjas or any other platform you trust. I did it from Coding Ninjas which was well explained and had DSA problems from easy to hard level in a step by step manner. This is just the learning part of DSA.

It requires a lot of practice to crack the coding rounds during Internships or Placements. I suggest you guys practice too in a systematic manner by solving a DSA sheet by Striver (take u forward)/Love Babbar sheet/ geeks for geeks/interview Bit, etc.

I personally did Striver (take u forward) sheet which had approximately 180 problems which took me around 2-3 months. Other required skills like OOPS, OS, DBMS, Computer Networks, System Design could be covered from campus courses, YouTube or other online resources.

My personal opinion would be to do the courses in the order of:

1) DSA 2) OOP 3) OS 4) DBMS 5) Computer Networks 6) System Design

Along with all these some projects of your interest would be helpful for resume and interviews.





**Name:** Mudit Sharma

**CGPA:** 8.08

**Role:** Associate SDE

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:** DSA and CS fundamentals

#### **Selection procedure :**

##### **Round 1 : (Online Coding Round)**

This round included 2 questions. 1 question on DP and another on Greedy. The greedy one was a bit difficult to figure out at first. Both of them were of Medium level and the time given was enough to solve both with all test cases passing.

##### **Round 2 : (Technical Interview)**

This round included a little bit of everything in Computer Science, with questions on DSA, DBMS, OOPs, OS and also a little bit of System Design. OOPs is extremely important so make sure that you're well versed with OOP concepts. I was also asked a few questions on Computer Networks. Since the interviewer was a bit more on the experienced side, he also asked me a few System Design questions, although he didn't expect answers on System Design concepts since those typically aren't asked to freshers. Then he asked a few questions on AGILE development. Finally I was asked about my projects.

##### **Round 3 : (HR Round)**

I was asked typical HR questions. You can also go through the Core Values of Publicis Sapient and see if you can answer in the context of that.

##### **When did you seriously start preparing?**

June 2022. I mostly solved questions on Leetcode and GFG. Understanding concepts is much more important than grinding numbers in the initial stages of preparation. I used to solve topicwise questions on Leetcode along with some explanations using GFG and for DP I used Aditya Verma's playlist.





There's only a limited amount of patterns you need to identify to solve 80% of the questions you'll be asked in Coding Rounds and Interviews, so it's much better to have an adept idea of all topics instead of mastery in a niche topic. I used Leetcode for all of my preparation and since I was a bit low on time, I went through most of Neetcode-150 and Blind-75. You can follow a bigger list for a more comprehensive preparation. Other than DSA, I also gave some days to revise OS, DBMS, OOPs. This shouldn't take you a lot of time and is a bit secondary compared to DSA.

#### **Topics/ Skills essential/ recommended for selection:**

DSA is a must for most companies, although Publicis is not too keen on asking difficult DSA questions. OOPs and DBMS are pretty important for the interview, if you're aware of a bit of Software Engineering that's a plus too. Other than that you can be asked surface level questions on all CS Topics, they were not that hard. A significant chunk of my interview revolved around System Design concepts too although other interviewees were not asked SD questions as far as I know. Other than that, knowledge of your projects is expected obviously, and projects are usually good topics for HR Discussions.

#### **Sources that helped in preparation:**

Aditya Verma DP Playlist  
Gaurav Sen System Design Playlist  
Neetcode-150 and  
Blind-75 GFG Articles and Archives

#### **Important Tips / Suggestions:**

Be well versed with OOPs and CS Fundamentals in general since you may be asked any question from any topic. Also have a good grasp on your projects along with being articulate with every answer since they will probe further if they feel you aren't confident and are vague with your answer.





# Qualcomm

## Qualcomm

**Eligibility:** B.E (ECE, EEE, ENI)

**CGPA Cut-off:** 7.2

**Roles:** Hardware Engineer

**Selects:** 16

**Selection Rounds:** 3

**CTC:** 35,00,000



202



**Name:** Kota Shashidhar

**CGPA:** 8.82

**Role:** Hardware Intern

**Eligibility Criteria:** 7.2+ CGPA and A3, A8 and AA branches

**Recruitment Procedure:**

3 Rounds

**What kind of questions were asked in each round?**

They asked questions based on the content in my resume, subjects learnt in 2nd year and PS.

**What CDCs or Elective Courses were helpful in preparation for tests or interviews?**

MEC, Consys, SNS, MPI, DD, EEC Lab, Consys Lab.

**When did you seriously start preparing?**

Started preparing a week ago by revising what we studied in 2-1 and 2-2. Revised notes and checked a few diagrams from the Textbooks.

**Topics/ Skills essential/ recommended for selection:**

Combinational and sequential circuits, 8086 Addressing Modes, Amplifier circuits using MOSFETS, Fourier Transforms, Laplace transforms and basic circuit design and PCB Design

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

Projects about Arithmetic Circuits, Robotics and embedded system design projects.

**Sources that helped in preparation:**

Google is the best source. The only limit is where one would stop.





**Important Tips / Suggestions:**

Do well in courses and keep doing projects on the side. Core isn't a joke and it's definitely not for anyone who's not interested in it.





**Name:** Rajiv DVK

**CGPA:** 8.67

**Role:** Hardware Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume shortlisting

**Recruitment Procedure:**

1 Online Test and 2 Technical interviews.

**Online Test:**

This round had 60 questions on Aptitude, Programming, and Electronics (20 each) with 30 mins per section and negative marking.

The aptitude section consisted of puzzles and logical reasoning (comprehension and graph-based).

The programming section had many questions about the output of codes, error detection in C, and the basics of OS, DSA, and Boolean logic (to name a few).

The electronics section primarily focused on the Digital domain with counter circuits, sequence generator output, number system-based, STA, simplifying Boolean expression using K-MAPs, Sequential circuits, MUX circuits, and amplifiers (analog). Basic assembly instructions were given, and I was asked to find the output.

**Technical Interviews:**

Round 1 was primarily focused on my Resume, projects, and how I overcame different obstacles with time. No technical questions were asked, and the interaction was heavily discussion based.

Round 2 started with a basic introduction and my projects in brief. I was asked to create a 100-bit counter in Verilog (live coding). Later, I was asked questions related to pipelining of the RISC processor, all the hazards in the pipeline, and an in-depth explanation of cache coherence and the methods to resolve it. Then I was asked to handle instruction (execution) synchronization and merging in the

case of a superscalar processor with multiple processing units.





### **When did you seriously start preparing?**

2 Months before the placement season, right after 3-2 Comprehensive Examinations. I was primarily focused on the digital domain with the basics of device physics.

### **Topics/ Skills essential/ recommended for selection:**

A computer Architecture course by Prof. Chetan is desired. Understanding the basics of Verilog is essential, along with timing diagram basics.

### **Sources that helped in preparation:**

- \* hdllibits for Verilog
- \* C programming basics from GFG.
- \* Past year gate papers for digital and analog electronics (section-wise by examside: <https://questions.examsidex.com/past-years/gate/gate-ece/>)
- \* Technical Bytes (a gold mine) (individual topics, playlists, and interview questions)
- \* DD (Sanjay Sir's notes), MPI (Bharat Acharya preferably), Computer Architecture by Chetan Sir.
- \* FSM by Technical Bytes, hdllibits, and MIT Tut Problems (<http://web.mit.edu/6.111/www/f2005/tutprobs/fsms.html>)
- \* STA by Technical Bytes.
- \* Aptitude: Timed practice from Indiabix
- \* ADVD: Rabaey (Textbook), NPTEL and Tuts by Surya Shankar Dan sir.

### **Important Tips / Suggestions:**

- \* Keep your Biodata neat and short during interviews.
- \* Interviewers check how the candidate responds to a challenging situation, so hold your ground and answer confidently.
- \* Be comfortable with coding in Verilog.
- \* Explain your thinking approach while solving the given case in interviews.
- \* Highlight the key achievements in your Resume.
- \* Take feedback from the interviewer after answering a specific question.
- \* Prepare for aptitude and your core preparation daily, as both sections hold equal marking weight.
- \* Strongly understand the BITS coursework (DD, Comp Arch, MPI).





**Name:** Abhinav Gupta

**CGPA:** 8.22

**Role:** Associate HW Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Minimum 7 CGPA

Resume shortlisting followed by an online test and interviews.

**Recruitment Procedure:**

An online test and 2 rounds of interviews were conducted. Questions were asked from the electronics core subjects as I applied for the hardware role.

**The Online test:**

It consisted of three sections, Aptitude, Basic C programming, and digital electronics.

**Technical Interview Round 1:**

I was asked questions based on ADVD, computer architecture, and digital design. Knowing the specifics of your project is crucial because we had a lengthy and in-depth discussion about the computer architecture project.

**Technical Interview Round 2:**

It mainly consisted of HR questions, puzzles, and real-world problem-solving exercises.

**When did you seriously start preparing?**

I started preparing seriously after 3-2. I revised the courses: DD, Signal and Systems, ADVD, Computer Architecture, and Verilog. Then practiced aptitude questions from the PU-assigned course and went through the most asked questions of the company interviews.





### **Topics/ Skills essential/ recommended for selection:**

- 1) Digital Design/MPI: Decoders and multiplexers, designing of gates using universal gates, Latches, Flipflops, Adder circuits, and Timings (Setup, hold, etc.).
- 2) ADVD: Structure of NMOS and PMOS, Amplifier Circuits, CMOS Circuits for gate logic, Differential Amplifiers, and Circuit Timings.
- 3) Computer Architecture: Different types of hazards and overcoming them, Instruction set related questions, Types of caches and working, Paging concept, Types of instructions in a processor.
- 4) Verilog: Types of modeling, codes for mixes/flipflops.

### **Sources that helped in preparation:**

- 1) Digital Design by Morris Mano. This book is very important for fundamentals, and should not be skipped over.
- 2) GATE questions on Digital Design
- 3) Verilog HDL: A Guide to Digital Design and Synthesis by Samir Palnitkar. Verilog is an important part of written rounds and is helpful in interviews.

### **Important Tips / Suggestions:**

1. Don't take the aptitude section in the test lightly. Speed is the key here.
2. Be thorough with your projects. You will be questioned a lot on those.





**Name:** AKHILESH GOWRISHETTY

**CGPA:** 8.91

**Role:** Hardware Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume, Written Test, Interview.

**Recruitment Procedure:**

Consists of one online test and two rounds of interviews.

The test had three sections: Aptitude, Programming, and Digital.

Questions on Digital Design, C programming, and other topics were asked.

**Topics/ Skills essential/ recommended for selection:**

Digital Design, Analog Electronics, STA, C programming





**Name:** Pratyush Choudhary

**CGPA:** 8.89

**Role:** Associate Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume Shortlisting, Written-Test, Interviews.

**Recruitment Procedure:**

**1st Round:** Resume Shortlisting

**2nd Round:** Written-test

**3rd & 4th Round:** Technical interviews.

**When did you seriously start preparing?**

Started preparing after 3-2.

I started with revising all the relevant subjects; DD and Comp Arch for the most part, after which I tried to solve as many questions as possible (mostly MCQs) on C Programming and also on General Aptitude.

**Topics/ Skills essential/ recommended for selection:**

1. Digital Design
2. Computer Architecture
3. C Programming
4. Any Project related to your CDCs help; talking points during the interview.

**Sources that helped in preparation:**

1. Course notes, MCQs from GFG and IndiaBix.com
2. Chethan Sir's lecture on setup and hold delays ( very imp).





**Name:** Shreya Gupta

**CGPA:** 8.81

**Role:** Interim Engineering Intern

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Recruitment Procedure:**

**Round 1:**

Online Test: There were two parts to the Test. The first part had questions on Digital Electronics, MPI, Control systems, and a few questions on general knowledge of Electronics. The second part had Aptitude-based questions.

**Round 2:**

Interview Round: A technical interview, questions on the basics of Digital Electronics, Gate Logic, and Logic Puzzles.

**Round 3:** Interview Round: Technical interview questions about Computer Architecture knowledge were asked.

**When did you seriously start preparing?**

As I was already busy with my Summer Internship during the process, I revised the necessary topics a few weeks before the Placement drive began.

**Topics/ Skills essential/ recommended for selection:**

Technical Skills: Digital Electronics, Computer Architecture, and MPI.

Soft Skills: Presentation skills during the interview.

**Sources that helped in preparation:**

- Morris Mano for DD





- Computer Architecture lectures by Chetan Sir.
- <https://youtube.com/playlist?list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm>
- <https://www.asic-world.com/>
- <https://www.geeksforgeeks.org/digital-logic-number-representation-gq>
- <https://edaplayground.com/>

**Important Tips / Suggestions:**

Brush up on remaining CDCs through slides.





# Reliance Industries Limited

## Reliance Industries Limited

**Eligibility:** B.E. Chem, Civil, Mech

**CGPA Cutoff:** 6+

**Roles:** GET-New Energy

**Selects:** 1

**Selection Rounds:** 2

**CTC:** 7,50,000





**Name:** Ashutosh Tiwari

**CGPA:** 7.2

**Role:** GET Mechanical

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA cutoff - 6

Branch criteria - Mechanical/Civil/Chemical

### **Recruitment Procedure:**

#### **Round 1 : Online Test**

There were both aptitude and mechanics questions in the online test. The questions related to aptitude were very basic, those related to mechanics were easy too. Notably questions from topics like PMFM, Turbo-machinery, stress-strain graph were asked.

#### **Round 2 : Interview:**

The interview too, had basic questions asked. The interviewer asked questions from topics like mechanics of solids, thermodynamics, design of machine elements etc. They also asked me some questions about my internships and mechanical projects.

#### **When did you seriously start preparing?**

**For aptitude :** there is no need to do separate preparation (brush up PU aptitude material only).

**For interviews :** one should brush up the basics of mechanical CDC's (specially thermo, PMFM).

#### **Topics/ Skills essential/ recommended for selection:**

Basics of 2-1 & 2-2 CDC's is enough to crack the interview. Regarding projects, if you have done mechanical projects, it's good to mention and prepare about the same .





**Sources that helped in preparation:**

PU aptitude test material

basics of all mechanical cdc's

**Important Tips / Suggestions:**

Be confident and prepare your resume very well. Before the interviews, read about the operations of reliance etc. In interviews they usually check your acumen in this domain.





**Name:** Harshal Srivastava

**CGPA:** 8.47

**Role:** GET Civil

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

B.E. Civil

**Recruitment Procedure:**

Total of 3 rounds. The first one was the test and then two interviews, each of them eliminative.

**Round 2: Interview 1**

The first round of the interview is purely technical.

**Round 3: Interview 2**

HR round.

The questions asked in the interview were mostly basics of RCC, Soil Mechanics, Structure and Materials.

**When did you seriously start preparing?**

November. I was very unsure about the placements so I started preparing well in November for Core.

**Topics/ Skills essential/ recommended for selection:**

Good knowledge of core subjects would suffice.

**Sources that helped in preparation:**

Mock test provided by PU, and if you could look at the GATE questions, that would help in the written test.





**Important Tips / Suggestions:**

Just be confident and make them understand how interested you're towards the industry, and yes you don't need to answer questions you have no clue about, you could simply say I don't know and move on to the next question.





**Name:** Pranav Nambiar  
**ID Number:** 2019A1PS1401H  
**CGPA:** 8.58  
**Role:** GET (Manufacturing)

**Recruitment Procedure:**

**Pre-round Questionnaire:**

A written questionnaire to gain an insight into one's overall persona.

**Round 1:**

Online test- to test one's core chemical engineering concepts from the second and third year courses along with their fluency in English and mental aptitude. The test was broken up into: Chemical Engineering (75%), Verbal Reasoning (15%), and Logical Reasoning (10%).

**Round 2:**

Interview- the questions ranged from core chemical topics to projects undertaken, including PS-2.

**When did you start preparing seriously?**

I started preparing in October as I was sitting for placements for 2 other companies. For Reliance in mid-November, my preparation was mainly through NPTEL videos, YouTube channels for certain topics like heat exchangers, and a YouTube channel dedicated to chemical engineering.

**Topics/ Skills essential/ recommended for selection:**

Fluid Mechanics, Heat Transfer, PRT were the three main topics tested during the interview process. The online test was very comprehensive, brushing up on all second year courses as well as third year courses like KRD and PDC is recommended.





**Sources that helped in preparation:**

NPTEL

Chemical engineering websites

YouTube channels like Learn ChemE

**Important Tips / Suggestions:**

When choosing what to mention as your strong suit during the interview, be sure of your choices as the questions that follow will be very comprehensive and will require a strong foundation as well as a comprehensive understanding of the topics.

**Any other relevant information:**

Core chemical PS allotments became significant points of information and communication during my interview.





# SAMSUNG

## SAMSUNG

**Eligibility:** B.E. CS, ECE, EEE, ENI

**CGPA Cut-off:** NA

**Roles:** Senior Engineer (HW),  
Senior Engineer (SW)

**Selects:** 4,9

**Selection Rounds:** 4

**CTC:** 2975000





**Name:** Sai Revanth Bommakanti

**CGPA:** 8.97

**Role:** Hardware Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

CGPA greater than 7.

**Recruitment Procedure:**

1 round of Written test.

2 rounds of Technical interviews.

1 round of HR interview.

For the hardware role, the first round focused on Digital, VLSI, and Verilog.

The second round covered various subjects such as analog and digital electronics, antennas, microwave engineering applications, and questions on the 8085 microprocessor.

**When did you seriously start preparing?**

I started serious preparation 10 days before the written test, taking advantage of the gap between application and test date.





### **Topics/ Skills essential/ recommended for selection:**

To succeed in the selection process, it was important to have a strong understanding of topics such as static timing analysis from VLSI design and basic finite state machines (FSMs). Additionally, a solid grasp of the basics across all subjects was highly recommended.

### **Sources that helped in preparation:**

In terms of preparation sources, relying on gate notes for subjects like analog and digital electronics, VLSI design, and taking an Udemy course for Verilog were considered sufficient.

### **Important Tips / Suggestions:**

Lastly, it was advised to stay calm and composed during the interview process, avoiding panic. Focusing on strengthening fundamental knowledge and maintaining a composed demeanor would contribute to a successful performance.





**Name:** Animesh Shukla

**CGPA:** 9.01

**Role:** Senior Engineer - SW

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume Shortlisting

Coding Round.

**Recruitment Procedure:**

1 Coding Round

2 Technical Rounds

1 HR Round.

**When did you seriously start preparing?**

I started preparing from August 1st, when I was told that I will not be provided a PPO (Pre-Placement Offer) at Gojek.

**Topics/ Skills essential/ recommended for selection:**

DSA

Projects

Memory management.

**Sources that helped in preparation:**

From GeeksforGeeks:

1. DSA
2. Core subjects.

**Important Tips / Suggestions:**

Study recursion thoroughly. For interviews, study memory management in C++ (Heap and Stack).





**Name:** Vedang Adgokar  
**CGPA:** 7.89  
**Role:** Senior Software Engineer  
**Semester Placed:** 1st  
**Mode of Offer:** On-Campus Placement.

### **Recruitment Procedure:**

#### **Round 1:**

Resume Shortlisting

#### **Round 2:**

Coding Round. 3 questions in 90 mins. 2 medium and 1 medium hard problem.

**1st:** Given an array of positive and negative integers, rearrange the array so that all negative integers appear before the positive ones. The order of elements is to be retained & all operations should be performed in place (i.e., O(1) space).

**2nd:** Given a binary tree and an integer K (there is only one node with value = K in the given tree), return the sum of all cousins of the node with value = K.

**3rd:** Consider a lettered mobile numeric keypad. Given an array of integers, return an array of all words, which are possible by pressing these numbers.

#### **Round 3:**

Technical Interview. There was a long discussion on a real-world problem that required knowledge of concepts from Operating Systems and a little bit of Computer Architecture. Then a few basic DSA problems were asked, which I could explain pretty clearly, and the interviewer was satisfied. He then asked a little about the ML project I had on my resume.

#### **Round 4:**

Technical Interview. The interviewer was a Senior Engineer from the Image Sensing department. Gave me an image in the form of an array of numbers (2D image matrix in the form of 1D). Some cells were bright, and some were dark (a definition of bright and dark cells was provided). I was asked to do some filtering operations on both of these kinds of cells. One operation that I recall was to traverse the 2D matrix, 4 elements at a time (i.e., blocks of 2x2 small matrices), and do the specific operation on each cell (formula was mentioned). He did not allow me to convert the array to a 2D matrix which would have been easier to process. I was asked to do several such operations and return only the bright





cells after all computations.

**Round 5:**

It was just a formality. A phone interview that only lasted for 10 minutes. Questions about location, family background, and any plans for higher studies were asked.





# SEDEMAC<sup>TM</sup>

## SEDEMAC Mechatronics Pvt Ltd

**Eligibility:** B.E. (ECE,EEE,ENI,Mechanical),M.Sc Mathematics  
(Only for Software Engineer)

**CGPA Cut-off:** 6 CGPA

**Roles:** R&D Engineer,Software Engineer

**Selects:** 1,2

**Selection Rounds:** 3

**CTC:** 14.1 LPA





**Name:** Manohar Varanasi

**CGPA:** 7.64

**Role:** Embedded Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

CGPA cut-off: 6.0

#### **Recruitment Procedure:**

There was one coding test and two rounds of technical interviews.

##### **Coding Test**

The test was a coding round with only C and C++ options (since it was an embedded software role). The questions were easy to moderate level and generic.

##### **Technical Interview 1**

The company had specified in the PPT that they would ask some puzzles and other logic-based questions. There was 1 easy puzzle. Additionally, the coding questions asked were easy. There was one question based on microprocessors, which I did not answer.

##### **Technical Interview 2**

The second round was shorter and lasted only 35 minutes. The interviewer asked 2 DSA questions. One of them was finding out if a particular bit was high or not, and the other was a simple question on arrays. Although how the questions were framed was a bit weird, they were easy to solve. The interviewer was really helpful.

The company had only a few questions ready and switched them around for the candidates in both rounds.





### **When did you seriously start preparing?**

I prepared a bit after my 2-2 for the SI drive but could not secure any offer and stopped preparing.

I then started preparing after my 3-2.

### **Topics/ Skills essential/ recommended for selection:**

Only DSA is required. There were no questions on OOP or OS.

### **Sources that helped in preparation:**

- GFG
- Interviewbit
- Leetcode.
- After a certain level of preparation, the final 450 sheet is very useful.

### **Important Tips / Suggestions:**

Work on your basics and be confident. Bit manipulation is an important topic for this particular company.





## Shield

**Eligibility:** B.E. (all+Hons.), B.Pharm(+ Hons.)

**CGPA Cut-off:** 0

**Roles:** Jr. Software Engineer

**Selects:** 2

**Selection Rounds:** 2

**CTC:** 15,00,000





**Name:** K Venkat Kedarnath

**CGPA:** 9.05

**Role:** Junior Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Looked at basic DSA and DBMS. Good communication and knowledge of the company are important in technical interviews.

**Recruitment Procedure:**

Resume shortlisting, 2 Technical interviews.

**In 1st technical interview:**

They asked a DSA question on sorting the array based on frequency i.e., high frequent to low frequent elements. Questions on DBMS: Primary key vs Unique. I had a network project so he asked some questions in CN: about DNS, proxy server.

**In 2nd technical interview:**

They gave a problem of sorting the elements but the file is too large to load. Need to explain the approach, then asked to improve the time complexity by using data structures. Then some basic questions like malloc vs calloc.

Then asked a few HR questions in the same interview. Like how you see yourself in 2 years, what you want to see in the first company that you join, etc.





### **When did you seriously start preparing?**

I started studying from 3-1 as I was also trying for SI. During holidays, I concentrated only on DSA prep. I learned DBMS, OOPS, and OS later in around 6-7 days.

### **Topics/ Skills essential/ recommended for selection:**

There was no coding round. It had only resume shortlisting and then interviews. So maybe CG could be a factor in resume shortlisting. Interviews were very general, and DSA questions were easy, but they also asked other subjects. Conversation in 2nd round was very critical as the question asked was a bit hard, but the interviewer gave hints, and good conversation also led me to grab the attention of HR.

### **Sources that helped in preparation:**

Sorting techniques were asked in both rounds. So do look at all algorithms, even the radix sort. For DSA, I took a course in coding ninjas and worked on leetcode problems. For graphs, strivers graphs playlist on youtube





**Name:** Rahul Vigesna

**CGPA:** 8.6

**Role:** Junior Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

### **Recruitment Procedure:**

#### **Round 1: Technical interview**

This round had two medium level DSA questions, and some OOPS & DBMS questions were asked after that.

#### **Round 2: Technical and HR interview**

I was first asked a medium level DSA question, followed by a few OS concept based questions. Later, I had a brief discussion with HR where I was asked about my projects & interests.

#### **What were the selection criteria?**

Resume shortlisting had a cutoff of 8.5 CGPA.

#### **When did you seriously start preparing?**

I started after the end of my 3-2, that is around the first week of June. I would suggest others to start earlier as more practice is always helpful.

#### **What were some topics/skills and projects essential for the selection process?**

- DSA is the most important by a distance.
- OOPS, DBMS, OS.
- Knowledge about what is in your resume are additional topics that you can revise before your interviews.





### **Sources that helped in preparation:**

- GeeksforGeeks (GFG).
- LeetCode.

### **Important Tips / Suggestions:**

Go through your resume/projects so that you can answer anything that is asked from it.





# SWIMLANE

## Swimlane Inc.

**Eligibility:** B.E. (CSE, ECE, EEE, ENI.)

**CGPA Cut-off:** 7.0 CGPA

**Roles:** Associate Software Engineer,  
Associate Site Reliability Engineer

**Selects:** 4

**Stipend:** 12 LPA



234



**Name:** Guthula Baladitya

**CGPA:** 7.33

**Role:** Associate Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume Shortlisting and 4 Rounds which were held at Company's Office in Hyderabad.

**Recruitment Procedure:**

After resume shortlisting few students were selected for further rounds.

**First Round (Coding Round):**

In this coding round, we were given a few Aptitude Questions and 2 coding questions which are easy level.

**Second Round (Interview):**

In this round students were asked to explain the projects which are in their resumes.

**Third Round (Interview):**

In this round, the interview is with the Senior Director of Engineering. In this round, he asked about my resume and two DSA questions one is a two-sum problem and he asked me to optimize the code and another is a 0-1 knapsack DP question.

**Round Four (HR Round):**

HR asked typical HR questions like family background, strengths, weaknesses, etc.

**When did you seriously start preparing?**

In my PS2, right after knowing that I am not going to get PPO there. I decided to start preparation for placements which means around August 2022.





### **Topics/ Skills essential/ recommended for selection:**

- DSA,
- OOPS(JAVA),
- Resume,
- DBMS

### **Sources that helped in preparation:**

1. Striver's (Take U Forward)
2. LeetCode(Try to solve most of the Easy level Questions and Standard
3. Problems which were asked in other companies' Interviews.
4. Geekforgeeks
5. InterviewBit
6. Gururaj Sir's Java Lectures

### **Important Tips / Suggestions:**

Be confident in your thoughts and answers during the Interview.

First, write Code in the Brute Force approach and then optimize it. Don't go to optimal Solution directly.





**Name:** Maryala Vinay Kumar

**CGPA:** 8.34

**Role:** Associate Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Data structures and algorithms

**Recruitment Procedure:**

The selection process comprises a total of four rounds.

- The initial round involves a comprehensive test consisting of aptitude and coding questions.
- In the second round, a technical round took place, during which the interviewer evaluated the resume and posed coding-related questions.
- The third round involved a technical interview with the manager, focusing on resume and coding questions.
- Finally, the last round concluded with an interview with HR, following which a job offer was made.

**When did you seriously start preparing?**

I began my preparation for placements approximately three to four months prior to the scheduled recruitment process.

**Topics/ Skills essential/ recommended for selection:**

I dedicated a substantial amount of time to practicing a multitude of Data Structures and Algorithms (DSA) questions, which significantly bolstered my confidence during interviews.

**Sources that helped in preparation:**

During my preparation, I found resources like Striver-A2Z DSA sheets to be extremely helpful.





**Important Tips / Suggestions:**

Ensure diligent practice, maintain a confident attitude, and strive to deliver your best during the interview.





## Tenstorrent Inc.

**Eligibility:** B.E. (CSE, ECE, EEE, ENI)

**CGPA Cut-off:** 0

**Roles:** Engineer

**Selects:** 2

**Selection Rounds:** 4

**CTC:** 32 LPA



239



**Name:** Shubham Singla

**CGPA:** 8.6

**Role:** Hardware Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Resume shortlisting, Online test and Interviews

**Recruitment Procedure:**

**1st Round: Test**

Consisted of 5 sections - C Language, Computer Architecture, Verilog, Logical Reasoning, Digital Design.

**2nd Round: Technical Interview**

Questions were mainly about Digital Design and Verilog. A few questions on Python (because I had it on my resume).

**3rd Round: Technical Interview**

Questions on Computer architecture, Verilog, and Operating Systems. A few basic DSA questions and some discussion on my projects.

**4th Round: Chat with Director**

A few puzzles, where they wanted to understand my approach to the solution. Discussion on my Projects and a few general questions.

**When did you seriously start preparing?**

I had started revising important phoenix courses two months before the placements. I had devoted most of my time going through digital topics. I had also been learning DSA for a few months. If you've been consistent and thorough with your courses during your B.E., you should not face much difficulty during core placements

**Topics/ Skills essential/ recommended for selection:**

Digital Design, Computer Architecture, Verilog, Basics of DSA





**Sources that helped in preparation:**

Digital Design:

<https://youtube.com/playlist?list=PLBInK6fEyqRjMH3mWf6kwqiTbT798eAOm>,  
[https://youtube.com/playlist?list=PLfMCiCIRnpUnp5e6KLBvkWkRDzyOQA5\\_i](https://youtube.com/playlist?list=PLfMCiCIRnpUnp5e6KLBvkWkRDzyOQA5_i)

Computer Architecture: Chetan Sir's Lecture Slides

Verilog: <https://www.chipverify.com/verilog/verilog-tutorial>

Operating Systems:

<https://youtube.com/playlist?list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p>





## Tesco

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 6

**Roles:** SDE

**Selects:** 1

**Selection Rounds:** 4

**CTC:** 20,77,059 LPA



242



**Name:** Siddhartha T

**CGPA:** 8.41

**Role:** Graduate Software Developer (GSD)

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Selection Criteria is mostly based on DSA, Computer Networks and Operating Systems Courses. Good level of knowledge on the projects mentioned in the resume is required.

**Recruitment Procedure:**

There were 1 Online Test and 3 Interviews. Online Test consisted of 3 DSA Questions (2 Easy + 1 Medium). First Interview was technical in nature. Questions about CN, OS and the projects mentioned on the resume were asked. Next 2 Interviews were HR in nature. Standard HR questions were asked mainly to assess the behavior and soft skills of the student.

**Topics/ Skills essential/ recommended for selection:**

OS topics like Scheduling, Paging, Memory Management were stressed upon. CN topics included basic questions on gateways, addressing modes, OSI, TCP/IP Models, TCP, UDP Protocols, DNS.





## Texas Instruments India Pvt. Ltd.

**Eligibility:** B.E. (ECE, EEE, ENI)

**CGPA Cut-off:** 7.00

**Roles:**Digital Engineer, Analog Engineer

**Selects:** 12, 5

**Selection Rounds:**

**CTC:** 32,00,000



244



**Name:** Goli Naga Sandesh

**CGPA:** 8.9

**Role:** Digital Engineer

**Semester Placed:** 1st

### **When did you seriously start preparing?**

I started my preparation seriously after completion of my 3-2. I had two months of time to prepare. I started with Digital design and even solved previous Gate questions (that will help), then I completed Output based C questions from GFG. After that I completed ADVD (along with STA), MPI, RLC circuits, OOPS, OS, Comp Arch. Followed by Verilog and solved aptitude questions from Indiabix. Finally, I went through all of my projects that I have mentioned in my resume.

### **Topics/ Skills essential/ recommended for selection:**

Digital Design, Verilog, ADVD, Computer Architecture, RLC

### **Sources that helped in preparation:**

- \* Digital Design course lectures and slides
- \* Digital IC Design course:  
<https://youtube.com/playlist?list=PLHO2NKv71TvsSqYwVvUCZwNkY-jUyUHdS>
- \* Indiabix for aptitude: <https://www.indiabix.com/>
- \* Chetan sir lectures for STA
- \* Samir Palnitkar book for Verilog

### **Important Tips / Suggestions:**

My suggestion would be do not panic if you do not get the questions asked in the interview, you should just try your level best in solving and explaining. Interviewers do not expect perfect answers, but the way you try/solve the question.





## TRUMINDS SOFTWARE SYSTEMS

**Eligibility:** B.E. (all) , M.Sc. (all)

**CGPA Cut-off:** 0

**Role:** SDE-1

**Selects:** 1

**Selection Rounds:** 3

**CTC:** 13,50,000





**Name:** Sai Manideep B  
**CGPA:** 7  
**Role:** SDE-1  
**Semester Placed:** 1st  
**Mode of Offer:** On-Campus Placements

#### **Selection Criteria:**

Despite my final CGPA being comparatively less than my fellow shortlisted classmates in the final round, I was the only one selected. This clearly implies that a higher CGPA is not necessarily the selection criteria that this company is filtering candidates by.

#### **Recruitment Procedure:**

##### **1st Round:**

Online Test. The test consisted of MCQs related to OOPS, DBMS, OS and DSA and Coding questions related to DSA. Resources for practicing the same have been mentioned below.

##### **2nd Round:**

Technical Interview. In the interview, you may be asked to explain your internship project briefly and would also be asked a few questions about it. Then questions related to DBMS, OS and OOPS. Finally, a coding question related to sorting.

##### **3rd Round:**

HR Interview. Few questions on basic C programming and then the questions are based on the topics you mention to the interviewer and build the conversation on it. You may be asked about electives and questions related to your courses (for example: Mathematics courses, Data Science minor courses).

#### **When did you seriously start preparing?**

I became serious with my interview preparation from the first month of 4-1





### **Topics/ Skills essential/ recommended for selection:**

1. DSA
2. OOPS
3. DBMS
4. OS
5. CN

### **Sources that helped in preparation:**

1. InterviewBit (has plenty of coding interview questions)
2. LeetCode
3. GeeksforGeeks
4. Sanfoundry (has a sufficiently large database of questions to practice from)

### **Important Tips / Suggestions:**

The Assessment round will be relatively harder to crack compared to any of the rounds that follow it. But remember that once you clear this round, the next 2 rounds will be smooth sailing as they are much easier to crack. Just ensure that you present your skills in an organized and coherent manner to the interviewer(s) and keep your answers short and to the point.





## Udaan

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 0

**Roles:** Software Engineer, Data Scientist

**Selects:** 3,1

**Selection Rounds:** 2

**CTC:** 35 LPA, 20 LPA





**Name:** Anwesan De

**CGPA:** 8.36

**Role:** Data Science

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Knowledge in ML, Data Science Methods, Python and DSA.

**Recruitment Procedure:**

**Online test :**

1. 3 sections. No navigation allowed within questions. Each section had designated time limits assigned. First section was Aptitude . Second section was MCQs on the basics of ML and Bayes Theorem; the 3rd section was 3 DSA questions. This was the only section where navigation was allowed. First question was stack implementation and the other two were DP based . One of them was the coin change 2 problem from leetcode (<https://leetcode.com/problems/coin-change-2/>)

**Interview:**

All interview rounds were online

1. Round 1: 45 mins duration. Questions from CNN (parameter sharing use and why CNN outperforms NN, shape of outputs after each convolution layer ), metrics (formulae and the which metric best for different kinds of unbalanced dataset) , overfitting - underfitting, and I was asked to describe my projects in detail.

2. Round 2 : 30 mins duration . The product management head took this round. Discussion on the projects.

3. Round 3: 1 hour duration . The head of the Data Science division took this round. Detailed questions on the procedures and techniques I used in my projects . Some HR questions like : Why Udaan? What would you choose: Google, Amazon DS based jobs if offered to you? What made you choose DS? Questions on decision boundary shapes for Decision trees , Random forest,





Logistic regression and SVM.

4. Round 4: (~ 30 - 40 mins). This round was taken by two different members of the Fraud detection department. Very detailed question on Decision trees (What is entropy, Gini index, Information gain , how would you handle regression cases and if it were at all possible, how would you handle non-categorical features in DT[how to select the threshold in this case] ). The I was questioned on the need for bootstrapping , validation , training and testing procedures, Random forest working and Precision-recall curves

### **When did you seriously start preparing?**

I have been trying to teach myself ML since 2nd year. I went through the Andrew Ng youtube series back then and have been trying to apply ML models ever since. I did not prepare anything separately for the interview process. I have been doing a bit of DSA as well from leetcode and Database basics in Postgres from datacamp a month before placements(July - 2022).

### **Topics/ Skills essential/ recommended for selection:**

- Linear , Logistic regression; Neural networks, CNN, Decision Trees, Support Vector Machines, Ensemble algorithms (especially boosting ), Bootstrapping data
- Good projects are of utmost importance it seems.
- bias variance tradeoff
- Metrics (PR curve, confusion matrix, ROC)
- Statistics basics (ANOVA, z-test, t- test , chi-squared test, hypothesis test )
- basics of DSA

### **Sources that helped in preparation:**

3 main resources really helped me. :

- 1.Andrew NG
- 2.Andrew NG
- 3 Andrew NG

### **Important Tips / Suggestions:**

Be honest. Be strong with your ML fundamentals, especially the models you used in your project. You must have a very thorough understanding of your projects. Express your thought process constantly so that the interviewer can





gauge if you are going in the right direction. Do not give up. Keep trying till the very end even if the question seems to be difficult and foreign. A good and efficient way would be to implement all the popular ML models from scratch using numpy , pandas and a nice cup of coffee. Put on some nice music/ ASMR and code . Nothing will prepare you better . Don't skip statistics.





# VISA

## VISA

**Eligibility:** B.E. (CS,ECE,EEE,ENI)

**CGPA Cut-off:** 0

**Roles:** SDE

**Selects:** 6

**Selection Rounds:** 4

**CTC:** 33,54,750





**Name:** Shaik Mohammed Shaquib  
**CGPA:** 7.57  
**Role:** Software Engineer  
**Semester Placed:** 1st  
**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Students who had a CGPA above 7 were allowed for the Online test.

**Recruitment Procedure:**

**Round 1: (Online test)**

The online coding competition took place on HackerRank. There were a total of 3 questions on coding. The first question was on the Easy Level of the Leetcode, while the remaining two were on the Medium Level.

**Round 2: (Technical Interview)**

The questions were related to OOPS, DBMS, and easy and medium level Leetcode DSA questions. I was asked to write the complete code for two problems and pseudo-code for another.

**Round 3: (Technical Interview)**

I was asked to illustrate the high-level code of my OOPS project (Android Development). Later, I was asked to create a schema for the DBMS project (Hospital Management System).

**Round 4 : (Technical and HR)**

I was asked questions related to DBMS (joins and self joins), another question on DSA and then the rest of the interview was on behavioral and HR questions.

**When did you seriously start preparing?**

I started preparing from 3-1.

**Topics/ Essential skills recommended for selection:**

- 1) DSA
- 2) OOPS





- 3) DBMS
- 4) OS
- 5) I have made it to a lot of interviews, and the majority of them asked me to elaborate on a project from my resume.
- 6) HR questions

**Sources that helped in preparation:**

- 1) Leetcode
- 2) GFG
- 3) takeUforward Youtube channel (for Trees , DP and graphs)

**Important Tips / Suggestions:**

I would suggest you to focus more heavily on DSA and practice more Leetcode questions at Medium and Hard level. Make a habit of giving weekly Leetcode contests. Also, be thorough with the basics of other CS concepts such as OOP, OS and DBMS. Furthermore, add some good projects to the resume. Last but not the least, try to give some mock interviews.





**Name:** ANIRUDH JOSHI

**CGPA:** 8.44

**Role:** Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

The candidate was required to pass 4 rounds.

**Recruitment Procedure:**

There was an online test, 2 Technical Interviews, and 1 HR Interview.

Online Round : 3 coding questions were asked of medium difficulty.

Technical Interview-1:

Firstly, I was asked some basic questions related to the implementation of Data Structures, and then some questions related to Object Oriented Programming. Then we had a discussion on one of my projects based on web development, and at last one DP on string question was asked, and I had to run the code on HackerRank.

Technical Interview-2:

It started with questions on Object Oriented Programming and Operating Systems for 15 minutes, and the rest of the interview was a discussion of my projects. I was cross-interviewed about the tech stacks used in them.

HR Interview:

I was only asked HR questions in this round which went on for 20 minutes.

**When did you seriously start preparing?**

I started preparing for SI in 2-2 and later in the summer vacations before placements. I focused mainly on the fundamentals of DSA and CS.

**Topics/ Skills essential/ recommended for selection:**

DSA, OOPS, OS as well as other core CS subjects.





**Sources that helped in preparation:**

InterviewBit, GFG, and Leetcode for DSA.  
Love Babbar 450 sheet and youtube playlist.  
Striver and Aditya Verma youtube channels.

**Important Tips / Suggestions:**

The interviews are solely resume-based, so make sure you go through your projects and prepare all the questions that can be asked related to the topics in your resume.





**Name:** Sai Ankit

**CGPA:** 8.13

**Role:** Software Engineer

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

1 online coding round + 2 technical interviews + 1 HR round.

**Recruitment Procedure:**

The recruitment process comprised 4 rounds:

**Round 1: Online Coding Round**

There were three questions - one of easy and two of medium difficulty considering the Leetcode scale. The questions revolved around recursion, stacks and arrays.

**Round 2: Technical Interview 1**

This was a technical elimination round which lasted for about 45 minutes with a mix of questions based on DSA, core CS Subjects and personal projects.

The interviewer started with questions based on basic OOPS concepts and computer networks before moving to a DSA question. The DSA question was a trie-related problem which I started solving using hashmaps before switching to trie. I was asked an easy tree question next.

The interviewer then switched focus to one of my projects and asked me to explain the architecture and some concepts of Flutter, which I had used to build my project.

**Round 3: Technical Interview 2**

This was also a technical elimination round, which again contained questions based on DSA, core CS subjects, personal projects and internships.





The DSA question was of medium difficulty and related to the binary tree. Since I solved the question early, the interviewer moved on and covered all OS, OOPS, DBMS and Computer Networks topics.

He then moved on to my project, which was a full-stack React and Java project, and asked me to explain the architecture behind it. He also went on to ask how an API works, both, from the project point of view and including DBMS and Computer Networks.

#### **Round 4: HR round**

The interviewer focused primarily on the internship I was pursuing then ( PS II Sem 1). He asked me generic managerial, leadership, and situation-based questions and asked me to relate and quote situations related to the questions if I faced any at my PS Station.

#### **When did you seriously start preparing?**

I had a fair amount of experience with DSA during SI preparation, and later, after my 3-2, I had prepared enough. My preparation was not in a limited time span during which I crammed Leetcode. It was spread across multiple months, during which I used to do a couple of problems every now and then on Leetcode. Get your basic knowledge of standard data structures and algorithms associated with the problems right, and later solve the problems.

#### **Topics/ Skills essential/ recommended for selection:**

DSA, OOPS, CN, DBMS and LLD. My personal projects helped me discuss a lot with the interviewer. You can have any personal projects in line with SDE / AI.

#### **Sources that helped in preparation:**

Leetcode for solving questions, Leetcode patterns, GFG, and random YouTube tutorials.

#### **Important Tips / Suggestions:**

Be honest about the courses and projects you mention in your resume. Your questions will be based on the courses you have mentioned, and also be clear





about the projects you have done thoroughly because the interviewer can ask from basic overview to low-level design of features implemented in the project.





## Western Digital(WDC) - Sandisk

**Eligibility:** B.E.(CS,ECE,EEE,ENI)

**CGPA Cut-off:** None

**Roles:** Engineer/Senior Engineer

**Selects:** 11

**Selection Rounds:** 5

**CTC:** 21 LPA





**Name:** Tharun Reddy

**CGPA:** 8.1

**Role:** Firmware tester

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

A student should possess basic coding knowledge.

**Recruitment Procedure:**

There are 5 mostly basic rounds of recruitment among which the last one was an HR round.

**When did you seriously start preparing?**

- I started preparing after the 2nd semester of 3rd year Started.
- I was also doing a summer internship alongside.

**Topics/ Skills essential/ recommended for selection:**

1. DSA
2. Aptitude

**Sources that helped in preparation:**

Leetcode

**Important Tips / Suggestions:**

Please take the time to carefully review the job description. It's important to consider that this particular field may not offer many opportunities for advancement in a software career. Before deciding to join the company, I urge you to seriously contemplate your career goals. Keep in mind that this company operates within a highly specialized field, which could make it challenging to transition to different positions within the company.





## Ziti

**Eligibility:** B.E. (all)

**CGPA Cut-off:** 6.0

**Roles:** Software Engineer

**Selects:** 3

**Selection Rounds:** 4

**CTC:** 14,00,000LPA





**Name:** Shardul Sadavarti

**CGPA:** 7.02

**Role:** APM

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

Speed math and Interpersonal skills.

**Recruitment Procedure:**

There were 2 speed math tests and 3 interview rounds, back-to-back.

**When did you seriously start preparing?**

4th year 1st sem and I did CAT level Quant preparation.

**Topics/ Skills essential/ recommended for selection:**

- Good communication skills.
- Confidence and positivity in approach.
- Any management-related project.

**Sources that helped in preparation:**

- Standard drive given for Quant.
- Case in Point by Marc P. Cosentino.





**Name:** Deeksha Arora

**CGPA:** 8.42

**Role:** Product Management

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

1. 2 Tests
2. 1 Interview

**Recruitment Procedure:**

2 tests were taken and 1 interview was conducted. The first test was a 'Speed Math' Test, and the second was a Reasoning Test. In the subsequent round, an hour-long interview was conducted. Initially, I was asked basic interview questions, followed by guesstimates, a few questions related to product management, and general interview questions.

**Topics/ Skills essential/ recommended for selection:**

Case studies and Guesstimates.





**Name:** Aayush Jha

**CGPA:** 7.62

**Role:** Product Manager

**Semester Placed:** 1st

**Mode of Offer:** On-Campus Placements

**Selection Criteria:**

It required the ability to solve questions of quick math and critical thinking.

**Recruitment Procedure:**

It consists of a total of 4 rounds.

2 rounds of tests followed by 2 rounds of back-to-back interviews.

**Topics/ Skills essential/ recommended for selection:**

Ability to solve guesstimates, product design questions and puzzles.

