AY 24-25

SUMMER INTERNSHIP CHRONICLES

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Adobe

Eligibility: B.E CSE, EEE, ECE, ENI
CGPA Cut-off: 7
Roles: Product intern
Selects: 7
Selection Rounds: 2
Stipend: 1,00,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Aastha
CGPA: 8.79
Role: Product Intern

Recruitment Procedure:
After the initial resume shortlisting, two rounds (an online test and a technical interview) were conducted.

1) Online Test: There were two coding questions and 30 mcqs. Coding questions were based on Linked list and arrays. Mcqs involved topics like PNS, DBMS, OOP, OS, CP etc.Mcqs didn't carry much weightage. The major weightage was given to the coding questions.

2) Technical Interview:
i)The interview began with a question pertaining to one of my projects.
ii) 5-6 DSA questions were asked which were based on linked lists and trees. Most of them had a medium level of difficulty.

Important CDCs and Electives:

- DSA
- OOPs
- OS
- DBMS

When did you seriously start preparing? How did you go about it?
I began preparing for the summer internship drive during my summer break. I primarily focused on solving questions on LeetCode and also created a list of topics to cover within the available time. Another invaluable resource that greatly contributed to my preparation was the Strivers playlist.

What are some critical topics/skills essential for the process?
1)To arrive at the best solution, one needs to have a thorough understanding of data structures and the ability to analyse various approaches with respect to time complexity.

2)Your thought process matters significantly. Be explicit in your reasoning and keep the interviewer informed about your thoughts. The interviewer is more interested in your thought process than the actual solution.

Sources to help in preparation:

Striver's playlist

LeetCode

InterviewBit

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Akash Goel
CGPA: 8.42
Role: Product Intern

What kind of questions were asked in each round?

Each round featured easy to medium difficulty DSA questions, focusing mainly on linked lists and arrays. Candidates needed to demonstrate their problem-solving skills and optimize their solutions effectively.

When did you seriously start preparing?

I began my serious preparation for the Software Engineering (SI) drive about three months before the event, dedicating significant time to practicing DSA.

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

A strong understanding of Data Structures and Algorithms (DSA) was essential, along with problem-solving skills, knowledge of time and space complexity, and the ability to write clean, efficient code.

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

The projects I completed during my Computer Science courses were sufficient. They provided practical experience and showcased my ability to design and implement software solutions.

Sources to help in preparation:

I used LeetCode and Codeforces extensively. LeetCode offered comprehensive problem sets and solutions, while Codeforces provided a competitive programming environment to improve my speed and efficiency.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Atharva Kurhade
CGPA: 8.95
Role: Product Intern

Recruitment Procedure:
Online Assessment:-
Two easy DSA coding questions with MCQs about OOPS, DBMS, Operating Systems and Computer Networks.

Technical Interview:-
Introduction followed by explaining one or two projects followed by two DSA questions.

First Question :- https://leetcode.com/problems/reverse-integer/
Second Questions :- Math based question about prime numbers solved using the sieve algorithm.

Important CDCs and Electives:
OOPS, DBMS, DSA, Machine Learning

When did you seriously start preparing?
Started preparing during the summer vacation and SI.

What are some critical topics/skills essential for the process?
Intermediate understanding of DSA was necessary other than that basic knowledge about OOPS and DBMS were also required.

What kind of projects did you work on that were helpful to your selection?
I had two projects related to Machine Learning, one of them was a course project and the other was a deep learning computer vision project. Was asked to explain the deep learning project in depth and also had to explain the working and understanding behind it.

Sources to help in preparation:
LeetCode, Codeforces, InterviewBit

Your suggestion to help in the preparation:
Basic understanding of DSA and core Computer Science topics is required along with a deep conceptual and implementational understanding of projects mentioned in your resume.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Shrishti Akhouri
CGPA: 8.1
Role: Product Intern

Recruitment Procedure:
1st Round: Online Assessment:
There were 2 sections,
Section 1: Questions related to debugging , probability ,networks, Logical Reasoning were asked.
Section 2: There were 2 coding questions, One was an easy implementation based question, other was a leetcode -medium level question.

2nd Round: Interview
Interviewer went through various aspects of my resume and asked question based on that, he discussed my projects. There were 3-4 question on OOP as well .I was asked to tell the logic for 4-5 coding problems(mainly related to heaps ,sorting ,BST,BFS), with 2 of them to actually code in a language of my choice.
I was asked to implement a hash-map and its operation from scratch without using any library. Questions related to time-complexity/space-complexity were also asked.

Important CDCs and Electives:
I am from EEE so none of my CDCs were actually helpful.

When did you seriously start preparing? How did you go about it?
I used to give coding contests on codeforces , and practice problems during my first-second year.But for SI drive , I seriously started preparing around (3-2) March 2023, I tried learning on my end various data structure and algorithm and used to practice on leetcode, during my summer break i followed sde sheets (striver, luvbabbar etc) and aimed solving atleast 3-4 questions everyday.

What are some critical topics/skills essential for the process?
DSA is must, One should be familiar with basics of OOP atleast.

What kind of projects did you work on that were helpful to your selection?
I had one project on sorting visualiser that was helpful, as well as i worked on a website during codeforgood hackathon that was also helpful.

Sources to help in preparation:

-Striver youtube channel,SDE Sheets.
-Aditya Verma-DSA channel
-Luv babbar SDE sheets
-Leetcode/Geekforgeeks

Your suggestion to help in the preparation

When you are solving a problem, develop a habit to think out loud in the interview. The way you explain your approach to the interviewer is as important as coding it.

You should be aware of every aspect of your resume, Again DSA is a must. Lastly, whenever you go for an interview, research a little bit about the company if you are unaware; it is always beneficial.

Name: Arunachala Amuda Murugan
CGPA: 9.4
Role: Product Intern

Recruitment Procedure:
The online assessment mainly was MCQs on OOPS, DBMS and a few OS and Networking ones. It had a single leetcode easy question on linked lists.

My interview was around 45-50 minutes long. The first 30-35 minutes went into my resume discussion and questions about my projects listed (tech stack, reasoning, ML theory, etc.), followed by two DSA questions. The first question was easy-level, based on the reversal of a number given some size constraints, and the second one was a medium-level question involving an application of the prime sieve algorithm.

Important CDCs and Electives:
DSA, OOPS, DBMS, ML

When did you seriously start preparing? How did you go about it?
While it wasn't for SI prep, I became comfortable with many concepts and C++ syntax in my DSA course (we had around 11 evaluative labs over which they spread topics ranging from the basics of arrays and vectors to DP). I had also been doing projects on the side continuously in the previous two years, so I didn't need to take time out to make or prepare for projects.

My SI prep started towards the end of PS-1 (around the last two weeks) when notices for companies began rolling in. Since this was slightly late compared to some of my peers, I had to compensate by practising a lot in the little time left. I left the theoretical concepts for interview prep as I had already studied most of that as part of courses, and it would only take revision. However, I made it my goal to learn and solve at least 3-4 patterns of problems (~ 6-8 total problems) a day.

What are some critical topics/skills essential for the process?
Besides the courses I listed above, the concepts and skills listed in your resume (in my case, ML and Docker) will be asked a lot in the interview stages.

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

1. A campus project (chronofactorem) helped me answer questions on how we generally handle projects in production.

2. An ML project under a professor I'm currently working with. Most of my interview questions revolved around this. He asked me a lot about the theory of the models I was using and how I'd apply them in a production environment.

Sources to help in preparation:

There are a lot of resources out there, and it's nearly impossible for you to use all of them. However, these were the ones that helped me the most:

1. Striver's A-Z DSA course
2. Leetcode (at least the dailies)
3. Geeks for Geeks archives on companies I was applying for (especially for interviews)
4. Interviewbit
5. Course material and GFG for theory

Your suggestion to help in the preparation

Slowly start doing DSA prep in your second year while focusing on academics. The latter will help you clear any CGPA cutoff/filter/tie-breaker and let you leave the theoretical prep towards the end. It will also help you get an online PS easier, so if needed, you can grind a lot during the summer. Additionally, if time permits, have a complete and unique (non-course) project you can explain thoroughly, which will help you stand out from the rest of the applicants.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Anushka Singh
CGPA: 8.19
Role: Product Intern

Recruitment Procedure:
Coding Round:
Two DSA questions were asked. Additionally, there were MCQs related to Computer Science topics.

Interview Round:
Two DSA questions, one on DP and the other on arrays. Questions on OOP concepts were asked. Questions related to memory allocation in C++ were asked.
The interviewer asked me to talk about my PS project and DBMS project.

Important CDCs and Electives:

Key courses included Data Structures and Algorithms (DSA) and Object-Oriented Programming.

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

I began my serious preparation during the summer after my third year, second semester (3-2). During that semester, I had DSA as a core course, and the lab sheets proved to be very helpful. I started my preparation by solving problems on LeetCode and learning Dynamic Programming and Graphs from Striver's YouTube playlist. Additionally, I reviewed GeeksforGeeks archives before the interviews to solidify my understanding.

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

Key skills included Data Structures and Algorithms (DSA), Object-Oriented Programming, and a thorough understanding of my projects.

Arcesium

Eligibility: All
CGPA Cut-off: 7 (BE. CSE, Electronics branches), 8 (other disciplines)
Roles: SWE
Selects: 2
Selection Rounds: 4
Stipend: 1,25,000

Name: Aayushi Vivek Sah
CGPA: 8.02
Role: Software Summer Intern

Recruitment Procedure:
Online Assessment in the I block Lab: The test was divided into 3 sections

Section 1: MCQs (with negative marking for incorrect answers) from CS fundamentals from topics ranging from but not limited to C++ basics, OOPs, OS, DBMS (SQL Queries)
Section 2: MCQs (with negative marking for incorrect answers) on Quantitative Aptitude which were essentially math word problems
Section 3: Two DSA based programming questions.
Since all the sections were timed and a bit lengthy, time was of the essence.

Interviews in the Placement Unit:
Interviews were scheduled the very next day in the morning which allowed no separate prep time. Each round was elimination based and featured intros, project chats, and coding questions lasting 45 minutes max, and thus I focused on optimal approaches directly and tried to cover all corner cases.
I was also expected to write the syntactically correct code/ pseudocode as best as possible on the paper they provided .

Technical Round 1:
First problem was on String hashing and I emphasised on edge cases.
Second question was a very popular but paraphrased interview question based on sorting + greedy leetcode medium difficulty problem.
I also discussed hackathons/ programs I was part of for engagement.

Technical Round 2:
I was asked a Dynamic Programming problem for which I gave the iterative approach directly. Second was a Trees problem for which I used DFS. It was a variation of a Leetcode Medium problem. We then discussed my projects, SOP in mathematics, two recent formal projects I had proposed to Math profs, programming languages on my resume and a question on SHA since I mentioned I had explored a little cybersecurity previously.

Technical Round 3:
The interview began with a question on recursion (backtracking to be specific) and then proceeded to ask a second question which was on Trees. As usual I explained my logic first by thinking out loud and then drawing relevant diagrams/recursion trees and finally writing the code. I was also asked to pick a project and answer any questions he posed on it. Since I had not done OOPS/ DBMS, I was asked a question on C++ and logic and this concluded my technical rounds.

HR Round:
This round consisted of standard HR questions that you can find on GFG using the keywords "[company name] HR questions GFG". Be sure to pay attention to the Pre Placement Talk that is conducted and be sure to ask any questions about the position if any. Remember names of all your interviewers.

Important CDCs and Electives:
Graphs and Networks (for a basic theoretical understanding of graphs and graph algorithms). You can watch a YT playlist to learn about the same if you are not from M.Sc. Math.
When did you seriously start preparing? How did you go about it?
Between July and August 2022, I touched on arrays, strings, stacks, queues, trees, and more. Post that I was unable to practise DSA owing to my hectic math + EEE dual 3rd year. However, in the summer of 2023, I deepened DSA skills, revisited forgotten topics, and practised extensively using Leetcode and GFG articles.

I received an email on July 28th for interviews at a company famous for asking competitive programming style questions largely on graphs, dp and trees, which I duly practised. Despite no offer, the preparation aided my next interview which was in Arcesium.

What are some critical topics/skills essential for the process?
Resume with good projects and relevant technical achievements
Prepare basic syntax of a language of your choice and have a solid understanding of DSA
Think out loud during interviews and ask clarifying questions in order to eliminate any confusion or corner cases; maintain clear communication.

Lastly in an offline interview pls dress tidily, take utmost care of how you carry yourself, maintain a good posture and please smile to dissipate any tension and break the ice.

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

Wide assortment of my personal technical projects ranging from Game Dev to Flutter (PS1 project) to an EEE project which used python for data visualisation. I had some technical and academic achievements/global mentorship program/invitation only summit for women/relevant technical Position of Responsibility which I feel made my resume stand out.

Sources to help in preparation:

Resume building: https://youtu.be/BYUy1yvjHxE

Theory: GFG articles, Striver, Competitive Programming by Luv Playlist, Aditya Verma's DP, CP-algorithms website

Problem Solving: Leetcode, GFG, occasionally contests on codeforces to improve math + logic + speed, Striver's SDE sheet, Summer Group / DSA training by Crux (crux-bphc/DSA-Training-2023 (github.com))

Also participated in online rounds of programs offered by multiple companies in 3rd year (2nd year for single degree) - gave me a flavour of what is asked in online assessments.

Mock Interviews: https://youtu.be/21pmwl0hrME. Very important tips are shared in this video which will apply to all interviews. Also requested my friends to conduct mock interviews.

Your suggestion to help in the preparation

If you belong to CS you need to be clear with OOPS + DBMS + CS Fundamentals in addition to DSA.

If you are not from CS, be sure to have a strong fundamental understanding of any one language of your choice, strong problem solving skills with DSA and good logic which will come with practice. Try to go above and beyond your allotted degree and demonstrate a genuine interest in Software. Although be sure to be clear with basic OOPs and DBMS in order to clear the online assessment.

Lastly, be persistent during your prep, take breaks but never give up.

Name: Gaurav Somai
CGPA: 8.24
Role: SWE

Recruitment Procedure:
Online Assessment:
Had questions of moderate difficulty, featuring two coding questions and multiple-choice questions (MCQs). I was able to solve both coding questions without much difficulty.

Technical Round 1:
Was asked variation of 2 standard Leetcode medium problems. The interviewer also asked me to write the code using pen and paper.

Technical Round 2:
Had a 30 min healthy discussion with the interviewer on an open ended DSA problem of which no optimal solution exists. We started from scratch and kept optimizing both space and time, trying to find a balance between both. The brute force solution would have required almost infinite space and time. Was a tough yet engaging round.

Technical Round 3:
Was asked theory related to OOPS and DBMS. Was asked to write SQL queries using pen and paper. Had discussion about my resume projects.

HR Round:
5 mins discussion on my project followed by "state-of-the-art" HR questions. Was by far the toughest round for me.

Important CDCs and Electives:
DSA, OOPS, DBMS

When did you seriously start preparing? How did you go about it?
I've been into Competitive Coding since my first year, so I didn't explicitly start preparing DSA for SI. However I started focusing more on Leetcode type questions from my 2nd year. Transitioning from codeforces to Leetcode type questions wasn't that tough.

What are some critical topics/skills essential for the process?
DSA of course is very important. OOPS & DBMS were also very important, as they were asked extensively in OA AND TR3.

What kind of projects did you work on that were helpful to your selection?
I had 3 projects. First was an e-commerce website, which we built using React and Springboot for our OOPS course project. Second was an Android App I built using Kotlin and Firebase. (They asked me about this a lot as their tech stack depends heavily on Kotlin). Third was the ML course project.

Sources to help in preparation:
Codeforces, Leetcode, Striver SDE Sheet, Gfg, InterviewBit, Youtube mock interviews, course slides for OOPS-DBMS

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Aveva

Eligibility: B.E. CS
CGPA Cut-off: 7
Roles: SDE Intern
Selects: 5
Selection Rounds: 4
Stipend: 50,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Poojan Mehta
CGPA: 8.26
Role: SDE Intern

Recruitment Procedure:
1st Round: In the online assessment, there were only MCQs asked which were based on logical reasoning and basic programming concepts. Around 20 people were selected for the next round.

2nd Round: In the second round, DSA questions were asked which were Leetcode medium level. I was able to answer all of them. Also, I was asked about my PS-1 experience and the work which I did during that time.

3rd Round: The third round was entirely based on my projects. The interviewer asked me to explain one of my projects. After I explained my project in depth, he also grilled me on the concepts of OOPS and DBMS. This round was quite focused on determining how well you know about your own projects.

4th Round: The final HR round was relatively short. The interviewer asked a few questions related to the company. Behavioral questions were also asked which were quite straight-forward. This round was more of a formality and served as a closure to the recruitment process.

Important CDCs and Electives
DSA, OOPS, DBMS

When did you seriously start preparing? How did you go about it?
I began competitive coding from the start of my 2nd year. I acquired most of my DSA skills as a result of it. I also regularly gave contests on various platforms such as Atcoder, Codechef and Codeforces. Side by side, I also started working on my personal projects. In my 2-2, I took SE (Software Engineering) as a DEL, due to which I was able to contribute to a good full stack project. It helped me immensely because apart from course projects, I had a noteworthy project to showcase. I practiced Leetcode a month before the SI drive and also went through the basics such as queues, stacks, linked lists.

What are some critical topics/skills essential for the process
DSA is a must for the interview rounds. Apart from that, you need to have a thorough understanding of OOPS and DBMS because I was even asked to write SQL queries in my interview round. Also you must have in-depth knowledge about the projects that you have worked on.

What kind of projects did you work on that were helpful to your selection ?
I had my course projects for OOPS and DBMS. The project for OOPS was a full stack application. Apart from these I gained further experience while working on my SE project, which was based on a student-teacher portal similar to Google Classroom. I would say that the exhaustive understanding of any project serves as a key for getting selected.

Sources to help in preparation
Leetcode:
Leetcode is the most basic and useful platform to expose yourself to coding problems. I regularly solved problems on Leetcode which immensely helped me to clear my fundamentals. Even sometimes, many questions asked in OA are directly or indirectly related to Leetcode problems.

If you have more time before the SI drive then you can also practice on these platforms:

1 - InterviewBit:
It has many problems which are asked in previous year interviews of that specific company. It gives a great understanding as the questions are sorted company-wise.

2 - Atcoder:
Contests on Atcoder really help to sharpen your skills on very basic and fundamental concepts and also helps in increasing speed on simple and easily-solvable problems.

3- Codeforces:
It has tougher problems which helps to build deeper understanding on various concepts. But before you jump on Codeforces, make sure you are well versed with all the basics completely. "

Your suggestion to help in the preparation

For majorly all the companies, DSA is the first and foremost thing they look up to when it comes to selection criteria. For Aveva, apart from DSA, they were also heavily focused on your projects and any extra skills which you have acquired. They gave huge importance to the knowledge one holds for his/her project. So I would suggest that whatever are your projects, just be completely thorough with it.

Also, be confident in whatever you say or claim about your answer. The interviewer also checks how well you can communicate and express yourself.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Shrey C Paunwala
CGPA: 8.3
Role: Software Development Intern

Recruitment Procedure:
1st Round: Online Assessment

2nd Round: The first interview round was a coding round, in which the interviewer asked basic DSA questions. Moreover, he also inquired about the projects I mentioned in my resume. The discussion delved deeply into one of my projects.

3rd Round: In the second interview, I was asked a LeetCode medium question. After solving it and providing an optimized solution, there were many questions related to the concepts of OOPS and DBMS. The interviewer also inquired about a few things regarding ML, as it was mentioned in my resume.

4th Round: The third round was the HR round, where typical HR questions were asked.

Important CDCs and Electives
OOPS and DBMS were some of the most important electives that helped me in the second round. Coding is a must, so DSA helped me a lot. Also, for the ML part, FODS and ML gave me in-depth knowledge about the concepts.

When did you seriously start preparing? How did you go about it?
I started preparing for DSA from the very basics in my 2-1. Then, in 2-2, I covered all the basic concepts of DSA and participated regularly in contests. During PS1, I studied difficult topics like DP and Graphs. During my PS sessions, I also practiced questions from Striver's sheet. In my 3-1, I focused solely on practicing LeetCode daily and the Striver's sheet.

What are some critical topics/skills essential for the process
OOPS and DBMS were the backbone of the interview. Apart from this, knowing DSA is a must. Moreover, you should have proper projects on your resume so that you can explain to the interviewer in depth about your project.

What kind of projects did you work on that were helpful to your selection ?
I had three projects on my resume. One was related to my PS, the other was related to DBMS, and the third was a formal project in the domain of ML. My PS and formal project helped steer the conversation towards the ML side, while the project related to DBMS helped the interviewers in the second round to ask me questions related to DBMS.

Sources to help in preparation
I would suggest you to regularly participate in contests on LeetCode, Codeforces, and CodeChef. Moreover, solving LeetCode problems daily can help you cover all DSA topics and provide you with a diverse range of questions.

For last-minute preparation of OOPS and DBMS, I watched videos by Lov Babbar. You can also review questions on OOPS and DBMS on InterviewBit the day before the interview.

Additionally, make sure to thoroughly review your projects, as interviewers tend to spend a significant amount of time discussing them.

Your suggestion to help in the preparation
I would advise everyone to thoroughly go through the concepts of OOPS and DBMS. It is very beneficial to participate in contests on platforms like LeetCode, Codeforces, and CodeChef as it will train your brain to attempt necessary questions within a stipulated amount of time.

Also, don't fake projects on your resume as it may create a wrong impression when asked about by the interviewer. Review any good questions that you have marked a day before your interviews.Also, make sure to go through the basic HR questions before your HR round. Feel free to reach out to me anytime.

Name: Kshitiz Agarwal
CGPA: 7.63
Role: Software Development Intern

Recruitment Procedure:
1st Round: In Online Assessment, there were general aptitude questions and some english questions, some coding based questions in which we had to find the output of given code which were basic but lengthy.

2nd Round: Technical interview had 2 easy DSA problems like printing a pattern of 0s and 1s. They focused more on the projects in your resume in which they asked me to write a general idea of what we had made. They also asked 1-2 DBMS questions as my project was based on it. They also asked about what project I worked in my PS1 and the overall experience.

3rd Round: Managerial Round: In the Managerial Round, it was basically a HR round for me but they asked some technical questions to some people, like SQL queries.

4th Round: The fourth round was HR round. It was very short with general questions like strengths, weaknesses and hobbies.

Important CDCs and Electives
DSA, DBMS and OOPS in decreasing order of importance but OOPS might be more important if you have a project related to it.

When did you seriously start preparing? How did you go about it?
I started preparing in 3-1. I solved 1 or 2 DSA problems a day. 1 would be the daily problem on leetcode and the other would be a random easy/ medium problem on a certain topic. For most of the topics I just learned by solving, except DP and graphs, which I did from takeUforward's YT videos.

What are some critical topics/skills essential for the process
General aptitude and reasoning problems, a little bit of DSA and DBMS.

Sources to help in preparation
Leetcode, GFG

Name: Pranav Sharma
CGPA: 7.21
Role: Software Development Intern

Recruitment Procedure:
1st Round: The online test: There were 50 MCQs to gauge our aptitude - 10 logic, 10 English, 10 math, and 20 rather basic programming questions.

2nd Round: The first interview: He asked me questions about my ML project and my PS-I experience. He asked me a couple OOPS questions but stopped once I was unable to answer them. He asked a really easy DSA question (reversing a number) and also asked me what programming languages I knew and asked some questions about what sort of choices would I make with regards to the functionality of some software with an example he posed.

3rd Round: The second interview: This interview was focused on my resume and prior work experience (PS-I in my case). We discussed my ML project and PS-I work in greater depth, and questioned me on my ML project particularly rigorously.

4th Round: The third interview: This was an HR interview. He asked me things like what my hobbies are, who my role model is, how I deal with failure and anger, and times I have shown leadership among various other things.

Important CDCs and Electives
OOPS, ML

When did you seriously start preparing? How did you go about it?
I probably started seriously preparing in 2-2. The DSA labsheets were quite handy, but I was rather poor at DSA for quite a while, till some point in 3-1 (This company came in 3-2). I practiced on LeetCode and Codeforces and used NeetCode and Striver (takeuforward) to learn. Before the interview, I checked Glassdoor to figure out what sort of questions the company asked, and I also asked my friends to take a mock interview for me (this was based on my projects).

What are some critical topics/skills essential for the process

Effective communication - it's important to communicate well and make sure to let your interviewers know what you're thinking.
Don't panic and get overwhelmed by the situation and take it one step at a time.
For this company, their recruitment process seemed rather interview/resume centric, which worked well in my favour as I am not excellent at DSA and I found the OA easy and had plenty to talk about in the interviews and was pretty comfortable there.
Lastly, be honest on your resume and in your interviews.

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

My ML project was probably my most useful project that I worked on. It was a group project for the ML course where my role was to build a classification model from a research paper, from scratch. I knew the algorithm quite thoroughly by the interview, and it probably helped that this was slightly more unique than just saying that I built a common, well-established algorithm from scratch, like logistic regression for instance.
My PS-I experience also came in pretty handy. I worked on building an NLU/conversational AI chatbot and while I had not worked a massive amount on the project, I still worked enough and knew enough to be able to talk about a reasonable amount and answer questions about it in the interview.
I was able to answer the leadership question in the HR round easily because I had experience helping organize an event for ATMOS.

Your suggestion to help in the preparation

For this company, their recruitment process seemed rather interview/resume centric, which worked well in my favour as I am not excellent at DSA and I found the OA easy and had plenty to talk about in the interviews and was pretty comfortable there. You should know your resume and the projects on it very well and be honest.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Darsh Shani
CGPA: 8.14
Role: Software Development Intern

Recruitment Procedure:
1st Round: The OA was based on code snippets, correct/find the errors, theoretical questions of Object Oriented Programming and Database Systems, Database queries and a few other Computer Science concepts.

2nd Round: Technical interview: This round mainly focused on your technical skills and CV. They asked in-depth questions about projects mentioned in the CV and asked basic programming questions (DSA theory, pattern printing, string manipulation etc.). For me, it was largely focused on my CV but for a lot of my peers they asked questions related to OOP, DBMS, DSA - especially on optimization of time and space complexity. My CV had projects on ML, Blockchain, DBMS, OOP and Post Quantum Cryptography, so they asked me questions about them. I was asked to explain the projects in my CV. I elaborated about my projects in Blockchain and PQC in detail. I then explained what I did in my ML project, about the models used in my project, their advantages and disadvantages, which amongst them was the best for the dataset and the errors as well as the difficulties I faced in the project. I was asked questions about ML concepts, regarding the models I chose and why did I choose them.They asked me to write a code for basic string manipulation based DSA question and a pseudocode/algorithm for another DSA question (I also had to mention their time and space complexities).

3rd Round: Technical + HR: This round was a mix of technical and HR questions. They again focused on projects and asked a bunch of theoretical questions. The technical part of my interview focused on SQL queries, DBMS theoretical questions, some OOP questions along with Cybersecurity questions (because I mentioned my Cybersecurity project). They asked about RAID and a few other Operating System based questions such as threading, backup storage, database security and some questions on basic CS concepts.
The HR part of my interview focused on team building, teamwork and attitude based questions.

4th Round: HR Round: In this round, they asked questions about future planning and other standard HR questions. They also checked your knowledge about the company

and why did you wanna join it. It turned out to be a good mentoring session for me as my interviewer had a discussion with me regarding what I wish to do in the future and whether or not to puruse Higher Education.
Overall, it was a good but exhausting experience as we had all 3 rounds on the same day.

Important CDCs and Electives
Absolutely necessary courses - DSA, DBMS, OOP, OS, C Programming
Electives that helped my case a lot - Machine Learning, Cryptography, Blockchain

When did you seriously start preparing? How did you go about it?
I was in-touch with everything as I had been giving OAs and interviews for other companies throughout the previous semester (AVEVA was hosted in the beginning of my 3-2 for SI) so it was a continuous prep.

How to go about with it - Standard stuff, the same as what everyone else will say. Do DSA questions from some place but make sure to cover all topics. Then revise DBMS, OOP and basic programming concepts. Its mostly about doing things rather than procrastinating. Not to mention, PS-1 is a great time to do all the aforementioned things.

What are some critical topics/skills essential for the process
Be confident about what you've done and goes without saying that you should be well versed with every single thing mentioned in your CV. The interviewer goes through 100s of CVs so make sure that yours stands out.

One thing that most people won't tell you is that the interviewer does not know what you have acutally done in your project so get creative but only enough to not fumble the bag when asked questions about it.

Barclays

Eligibility: B.E. CS
CGPA Cut-off: 7
Roles: Summer Intern (IT), Explorer Intern (developer)
Selects: 3
Selection Rounds: 4, 5
Stipend: 1,00,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Atharva Vinod Dashora
CGPA: 8.37
Role: Summer Intern

Recruitment Procedure:
1st Round: Behavioural Round: It consisted of logical and situation-based questions.

2nd Round: coding round, consisted of two questions, one was flood fill algo from graphs and another one was GCD of a subarray.
I had to finish the coding round in sub 10 minutes to get shortlisted.

3rd Round: Interview Round: We went over my projects extensively and then one SQL question was asked

4th Round: Second interview, I was asked about my DS projects and about my PS project which was based on LLMs and sentiment analysis, then I was asked to explain Dijkstra's algorithm with some real-life examples.

Important CDCs and Electives
DSA, OOPS (only for the project), DBMS (for SQL)

When did you seriously start preparing? How did you go about it?
I started seriously preparing in the summer vacation after my 2-2
I used to solve one or two questions on leetcode daily from the neetcode 150

What are some critical topics/skills essential for the process
DSA, confidence in the projects you've worked on

What kind of projects did you work on that were helpful to your selection?
DS projects, PS project and OOPS project

Sources to help in preparation
the neetcode 150 covers almost all the topics to a good enough level

Name: Sparsh Khandelwal
CGPA: 8.72
Role: Summer Intern (IT)

Recruitment Procedure:
1st Round: Cognitive test + Behavioural Round: there were questions about aptitude and mental ability. Then there were some hundred questions on the HR and behavioral aspect in which three options were there, and you had to choose the best 2, which were untimed.

2nd Round: Coding round in which I had two questions: one was to find the intersection area of two circles if their radius and center were given, and the other was to find intersection elements among N different vectors given.

3rd Round: The third round was an interview in which the interviewer asked me some basic questions. It was pretty short, less than 10 minutes.

4th Round: In the last interview, the interviewer asked me about my blockchain project at a great length. The interviewer was also working on some blockchain technology in Barclays, so he was pretty interested in it and grilled me on it; he also asked me some HR questions in between; this interview lasted for around 45 minutes.

Important CDCs and Electives
DSA, Blockchain and OOPS.

When did you seriously start preparing? How did you go about it?
I started preparing after my 2-2 during my PS. I used Love Babbar and Strivers DSA sheets. I wasn't able to solve any of the sheets completely, but I focused on the topics that were important and solved those questions.

What are some critical topics/skills essential for the process
DSA and aptitude.

What kind of projects did you work on that were helpful to your selection?
During my interview, I mentioned about my blockchain project. This was not mentioned on my resume, but it was discussed at length in my interview.

Your suggestion to help in the preparation

You should be good at aptitude questions as the majority of the people were rejected in the first round. Also, have one or two decent projects in your resume or mention them to your interviewer, so if he is interested, he may discuss that at length with you, but you should know the ins and outs of your project.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Vansh Agrawal
CGPA: 9.11
Role: Explorer intern (developer)

Recruitment Procedure:
1st Round: Logical reasoning test.

2nd Round: Qualitative test (soft skills questions)

3rd Round: 2 coding questions (1leetcode medium and 1 hard)

4th Round: Technical interview round- asked about the projects on resume and questions on CS concepts.

5th Round: HR Round

Important CDCs and Electives

For me, Database Management Systems (DBMS) and Data Structures and Algorithms (DSA) were the two core courses (CDCs) that significantly helped during the interview process.

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

I started preparing seriously about 40-45 days before receiving the offer. My preparation involved practicing problems on LeetCode and revising the basic theory of core Computer Science concepts.

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

Key skills included Data Structures and Algorithms (DSA) and strong communication skills.

Sources to help in preparation

LeetCode was a primary resource for my preparation.

D E Shaw & Co

D.E. Shaw India

Eligibility: B.E. CS, ECE, EEE, ENI
CGPA Cut-off: 7 (CS), 8 (ECE, EEE, ENI)
Roles: Software Developer Intern
Selects: 1
Selection Rounds: 5
Stipend: 1,50,000

Name: Anurav Garg
CGPA: 9.78
Role: Software Developer Intern

Recruitment Procedure:
1st Round: Online Assessment: The OA consisted of 3 medium-hard questions (exact difficulty is hard to judge as everyone's preparation is different), with 25-30 minutes given for each, similar to stuff on Leetcode.

2nd, 3rd, 4th Round: Technical Interview

5th Round: HR Round

The in person technical interviews, across all three rounds, asked many different things. For one, I had to explain how I'd solve DSA problems (ranging from common leetcode mediums to things I had never seen before and couldn't solve), and also write proper/pseudo code on paper for whatever parts the interviewers wanted me to elaborate on.
There were theory questions from DBMS and OOP, such as somewhat complex SQL queries, various concepts and issues with OOP as well as how they are solved, and so on. They wanted to ask about OOP in C++ specifically, but were understanding when I told them our college OOP course was Java focused instead.
In one round I was asked what programming language I was familiar with (I said C++), and then they asked lots of deep theory on the language - how it stores variables and stuff, memory management, how different STL data structures are implemented internally, and even things like virtual functions and smart pointers.

They also took a look at some of the projects and languages on my resume and asked simple theory from those, such as some high level descriptions of the various programming languages I had listed, and a bit of JavaScript theory (as I had multiple JS WebDev projects) as well as some miscellaneous project concepts like dependency management. Nothing was asked about the projects themselves, what they do etc.

Important CDCs and Electives
Data Structures and Algorithms, Object Oriented Programming and Database Systems.

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

I prepared seriously during the summer break during PS-I. Most of it consisted of doing important Leetcode questions and learning various important DSA topics through them, along with some YouTube videos from channels like 'take U forward' for theory on some topics. In hindsight, I should have also given more Competitive Coding contests, as my time management was a bit poor during the OA.

What are some critical topics/skills essential for the process

A good grasp on DSA and the ability to at least attempt to approach any new problems was the most important skill. A deep understanding of the CDCs mentioned before was also needed, as well as some general knowledge of how the language(s) you use work under the hood. Besides these, it was important to be able to properly communicate my thoughts and approach to the problems with the interviewers.

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

My projects weren't really mentioned in the interview besides some theory questions from the technologies used in the projects. The projects on my resume were all WebDev, either backend or full-stack.

Sources to help in preparation

LeetCode (especially NeetCode questions), GeeksforGeeks, notes/slides for CDCs, the 'take U forward' YouTube channel.

Your suggestion to help in the preparation

The technical aspect of the preparation is clear enough, but be sure to properly communicate with the interviewers; even if you're just thinking out loud and are unsure of the approach to a problem, or have some partial clues on how you might do something but don't know how to go about it, or even if you're outright wrong - communicating with them will be better than sitting there silently, and they will probably also help you and nudge you in the right direction. Besides that, take it easy and get plenty of sleep. Good luck!!!

Devrev

Eligibility: B.E. (All)
CGPA Cut-off: 7.88
Roles: SDE Intern
Selects: 1
Selection Rounds: 3
Stipend: 1,00,000

Name: Divyateja Pasupuleti
CGPA: 9.58
Role: SDE Intern

Recruitment Procedure:
1st Round: Online Assessment: We had 3 questions unlike the previous years, one of them was a brute force question on pattern making on a grid. Second question was a bit masking based greedy question which would take some time to strike but was sort of simple. Third was a question based on whether or not it's possible for an array to be palindromic in the sense, we have an array of words and palindrome here would mean first word equals the last word. But we could perform a specific set of operations such that we get here and we had to return if it was possible or not which could be done using 2 pointers.

2nd Round: DSA round: I was asked a simple number of connected components question but I had to code bfs, dfs and the DSU version of it and then through discussions we were at a point where I had to explain https://en.wikipedia.org/wiki/Ackermann_function#Inverse which I hadn't heard of before so I basically explained how the DSU worked and how it's complexity improved in comparison with a normal BFS or a DFS in a social media point of view. Then I was asked to interview the interviewer and choose a question for the same. I took a simple arrange array in a zigzag pattern question and we discussed on we can optimize the solution. Then I was asked a greedy question based on priority queue and then had to also code it in the dynamic programming approach

3rd Round: CS Fundamental Round
Though this was supposed to be DBMS and OOP round, I was asked system design based on google analytics where we had a stream of data coming and I had to optimize how it works and we discussed structures ranging from queues to segment trees and maps. I also had to give time complexity for all the designs and despite it being a CS fundamental round no questions were asked from dbms or oop for me atleast. We also discussed mutexes and transactions though but these were not from a dbms point of view but rather from an os point of view.

Important CDCs and Electives
DSA, DBMS and OOP as well as ML

When did you seriously start preparing? How did you go about it?
I had done the DSA course as part of my CDCs in my 2nd year and I started preparing for SI quite late unlike others and had started practicing questions about the middle of my PS1. My PS1 was online so I had enough time to spare I would say.

What are some critical topics/skills essential for the process
Atleast for the Devrev interview, we were given very less time to think and had to answer most of the questions immediately and I would advice people to be quick with thinking and it need not be optimized since the interviewer would go through with you as to how the unoptimized solution will reach the optimized solution.

What kind of projects did you work on that were helpful to your selection?
A lot of emphasis was put on my work at SWD Nucleus rather than my projects, maybe due to the use of concepts of concurrency in those particular projects and the use of golang and typescript in the same. Nothing was asked about my OOP or DBMS projects.

Sources to help in preparation
Striver's SDE Sheet, Love Babbar's DSA Sheet through coding ninjas but I would advice you to go through codeforces questions as well.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Dover

Eligibility: B.E. (All)
CGPA Cut-off: 7
Roles: Software Engineer Intern
Selects: 1
Selection Rounds: 3
Stipend: 25,000

Name: Isha Pargaonkar
CGPA: 8.49
Role: Software Engineer Intern

Recruitment Procedure:
1st Round: Online Test- 60 questions were asked; it was a mix of aptitude and computer fundamentals (OOPS/DBMS/DSA) questions.

2nd Round: Interview Round 1- Started with introduction. As my branch is not CS, I was asked why I chose to apply for a Software role. Was asked to explain overriding, write a code to explain how it works and to show dynamic binding, explain how deques work and when we need to use them, show how a lambda function works and to explain hashing, handling collisions as well. Was also asked to write a simple program using HashMap and explain how it works internally. The interview was about 30 mins.

3rd Round: Interview Round 2-Started with introductions. Was asked to write a program on strings in a language of my choice without using any inbuilt functions. Discussed about my previous projects, internship. Was asked to explain why I would like to work in Dover and what qualities I would bring to the table. The interview was about 30 mins.

Important CDCs and Electives
DSA, OOPS

When did you seriously start preparing? How did you go about it?
Started preparing after 2nd year, around June-July. Solved questions on Leetcode and GFG, learned concepts from YouTube.

What are some critical topics/skills essential for the process
Knowing theory along with coding is essential, importance was being given to theoretical knowledge along with coding skills too.

Goldman Sachs

GOLDMAN SACHS

Eligibility: B.E.(all)
CGPA Cut-off: 7
Roles: Summer Analyst
Selects: 3
Selection Rounds: 4
STIPEND: 1,00,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Amit Kumar Deoghoria
CGPA: 7.93
Role: Summer Analyst

Eligibility Criteria:
CLASS XII - Required: 70%
CLASS X - Required: 70%
UG - Required: 70%

Recruitment Procedure:
There were a total of 4 rounds

What kind of questions were asked in each round?

Round 1: Online Assessment
In the first round, you had an online test where you answered multiple-choice questions about basic computer stuff and some math problems involving probability and combinations. This test also included questions about important computer science topics like object-oriented programming, operating systems, and databases. You also had to solve coding problems, like dealing with graphs and manipulating strings using a circular queue concept. There were also two subjective questions which you needed to complete in only 10 minutes. You had one hour to show your skills and quick thinking.

Round 2: First Technical Interview
The second round was like a deep dive into your resume. They wanted to hear more about your projects and what you've done. This was your chance to explain your work in detail, almost like telling a story. The interviewers wanted to understand how you approached your projects and what you learned from them. It was important to be really familiar with your own projects because they asked lots of questions about them.I was also given a challenging coding question . It was at a medium to hard level of difficulty and it was related to greedy algorithms.After I solved it, the interviewer asked me to think about how I could make my solution even better in terms of both how much space it uses and how fast it runs. It was like trying to find a smarter way to do things. If I couldn't come up with a way to improve it, they wanted me to explain why it wasn't possible to do so.

Round 3: Second Technical Interview

In the third round, they got even deeper into the technical stuff. They asked about the algorithms you used in your projects and how you came up with them. They also asked some questions about your behavior, like how you handle different situations. The most interesting part of this round was when they asked you to design something complex—a parking system. They wanted you to explain how you'd create the database, the classes for handling the logic, how the user interface would work, and how data would flow through the whole system.

Round 4: Third Technical Interview

The last round was like a puzzle challenge. They gave you a few puzzles to solve. Some were easy, and one was a bit trickier. This round was more about your problem-solving skills and how you approach unfamiliar situations. It was like a test of your creativity and how you think through problems.

Through these rounds, you went from showing your basic knowledge to discussing your real work, then diving deep into your technical skills, and finally, proving your ability to think critically and solve puzzles. It was a journey of showing what you know, how you apply it, and how well you adapt to new challenges.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

OOPS, DBMS , DSA

When did you seriously start preparing?

I began my serious preparation in September 2022. I found joy in participating in coding contests on platforms like Codechef and Codeforces. Each day, I made it a habit to learn a new concept about data structures and algorithms (DSA), and I challenged myself with at least 5 problems. I balanced it out with 1 easy, 3 medium, and 1 hard problem.I found Aditya Verma and Striver's tutorial videos to be truly invaluable. I followed the Striver SDE sheet for structured learning and also explored Fraz's sheet for strengthening my computer science fundamentals. Staying updated with important patterns and updates was made easier by following Arsh Goyal. Through competitive programming, I honed my analytical skills and got accustomed to the timed environment, which turned out to be quite handy for the online assessment tests.

Topics/ Skills essential/ recommended for selection:
Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Database Management Systems (DBMS), System Design and Architecture, Problem Solving and Analytical Thinking, Coding Proficiency, Time and Space Complexity Analysis, Project Knowledge, Behavioral Skills, Problem Solving Under Time Pressure.

What kind of projects did you work on that was helpful to your selection?
The Route Master web application I developed during my PS-1 phase was a showcase of my skills in various technologies and problem-solving approaches. I used JSP (JavaServer Pages) for dynamic web content, JDBC (Java Database Connectivity) to interact with the database, and Java to implement the back-end logic.Incorporating advanced graph theory algorithms was a standout feature of the application. This indicates that I leveraged complex mathematical concepts to solve real-world problems, potentially related to route optimization, network analysis, or similar domains.

Furthermore, the integration of API (Application Programming Interface) suggests a dynamic interaction with external services or data sources, which enhances the application's functionality and usability.The use of comparative sorting algorithms underscores my understanding of efficient data manipulation and organization. This feature could be particularly valuable in scenarios where data needs to be presented to users in a sorted or meaningful order.Overall, this project showcases my ability to integrate multiple technologies, apply advanced algorithms, and create a functional and user-friendly web application. It also highlights my capacity to solve intricate problems and deliver tangible results through coding and algorithmic expertise.

Sources that helped in preparation:
1)Online Coding Platforms:
LeetCode, HackerRank ,Codeforces ,CodeChef, InterviewBit
2)System Design and Architecture:
"Designing Data-Intensive Applications" by Martin Kleppmann
"System Design Interview" on Educative.io
3)Coding Practice and Interview Questions:

LeetCode's Top Interview Questions list , Striver SDE sheet , Fraz SDE sheet
4)Online Tutorials and Videos:
YouTube channels like "Aditya Verma", "CodeWithMosh", "Take U Forward", "mycodeschool","TelusKo".
*Practice Coding Challenges:
HackerRank's 30 Days of Code, LeetCode's Daily Challenge, Codeforces' problemset

Important Tips / Suggestions:

1)Core Concepts and Algorithms: Master foundational data structures, algorithms, and object-oriented programming. Focus on problem-solving skills through platforms like LeetCode and Codeforces.

2)Project Showcase and System Design: Highlight relevant projects on your resume that demonstrate technical skills and creativity. Be prepared to discuss their implementation and design, showcasing your ability to architect efficient systems.

3)Behavioral and Communication Skills: Practice behavioral questions to articulate your experiences, teamwork, and problem-solving attitude. Refine communication skills through mock interviews to confidently express your thoughts.

4)Stay Updated and Research: Keep up with technology trends, and research the company thoroughly to align your preparation with their focus. Networking with current or former employees can provide valuable insights.

5)Confidence and Adaptability: Approach interviews with confidence, demonstrating your enthusiasm for technology and willingness to learn. Adaptability is key; showcase your ability to tackle coding challenges and design problems under pressure.

Name: Aashir Tyagi
CGPA: 9.22
Role: Summer Analyst

Eligibility Criteria:
>7.00 CGPA
Recruitment Procedure:
4 (1 OA, 3 Interview)

What kind of questions were asked in each round?

Round 1(Online Assessment):
2 coding questions, 10 MCQs on OOP, DBMS, and Probability, and 2 HR questions. The coding questions were elementary, 1 was based on the number of connected components in a graph, while the other was on arrays.

Round 2:
Lasted about 15-20 minutes. Was given simple math/combinatorics problems to code. A puzzle was also asked.

Round 3:
This round was a combination of HR and technical rounds. Was asked to talk about an achievement and explain my DBMS project in detail. After this, I was asked a pretty standard design problem. I had to draw only the ER diagram and relational schema and then explain how I would implement the design problem. After this, I was asked some standard HR problems. This round lasted for around 40-45 minutes.
Round 4: This was also a technical round for me. First, I was asked about the tools and libraries I mentioned in my resume. Then, I was asked about problems on BST, Trie, and Stack. Some questions about NumPy were also asked. This round lasted for around 30-35 minutes.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOP, DBMS.

When did you seriously start preparing?

I started giving contests after mid sem of 2-1. But I started preparing seriously in 2-2 and then during the PS-1 I started solving various problems from different SDE sheets.

Topics/ Skills essential/ recommended for selection:

1. DSA
2. OOPS
3. DBMS

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Om Narayan
CGPA: 8.56
Role: Summer Analyst

Eligibility Criteria:
There was a CGPA Cutoff of 7, apart from that no backlogs.

Recruitment Procedure:
There were 4 rounds in total, 1 online test, 3 interviews.

What kind of questions were asked in each round?
In the online round, there were 2 coding problems and a few programming/CS based MCQs. In the next interview rounds, for me it was mostly Resume discussion along with in-depth problem solving for the specifics the interviewers were asking from the Resume. One consisted of OOP and General Programming, second was entirely ML and Data Science based, and the final interview was leaning a bit towards the HR side but had lots of Database problems and general questions from my resume (including other subject matter).

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

OOP, DBMS, DSA, ML, Cryptography

When did you seriously start preparing?
I started to grind Leetcode problems since my 2-2 start, did entirely DSA in that semester. Then by the time the online assessment was closing in, I started with OOP and DBMS and revisiting my older projects in my Resume. After getting shortlisted, I did company specific interview preparation from different sources.

Topics/ Skills essential/ recommended for selection:
Competitive Programming, DSA, OOP, DBMS, Problem Solving, Critical Thinking.

What kind of projects did you work on that were helpful to your selection?
I worked on Data Science and Database Projects which were discussed thoroughly across 2/3 of my interviews, I feel that these discussions gave me an edge as

compared to the others. There were some basic ML based projects and a Face Recognition based Android App that I made during my PS. And for DBMS, it was the coursework project in detail.

Sources that helped in preparation:
Leetcode, Codeforces, GFG, Strivers Sheet, Neetcode 150

Important Tips / Suggestions:
Do not put anything in your Resume that you can't explain, whether it be project, coursework, or skill. They asked me every single thing in detail, so as long as you are able to explain everything you have in your Resume with clarity, there shouldn't be any issue.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Google

Eligibility: B.E CSE, EEE, ECE, ENI
CGPA Cut-off: N.A.
Roles: Software Engineer Intern
Selects: 3
Selection Rounds: 4
Stipend: 1,14,000 /month

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Aryan Gupta
CGPA: 9.81
Role: Software Engineer

How many rounds were there? (Test/ Interview)
3 rounds were conducted:

1) Shortlisting through resumes and 60 min Online Coding Round (One could compensate for the other, example if your resume isn't impressive, you could still do well in the Coding Round to move to the interview)
2) Two Technical Interview Rounds

What kind of questions were asked in each round?

1) Online Coding Round: The round consists of two coding questions in 60 mins on HackerEarth. My set consisted of questions based on multi-dimensional DP and Graph. Both problems were Leetcode hard level, one on the easier side, the other on the harder side. The cutoff varied from passing a few cases on each problem to 1 complete solution and some cases on the other, depending on your resume.

2) Technical Interview 1: I was asked a question on stack and two-pointers. I described multiple algorithms for the same, starting with brute force. Then I tried applying binary search incorrectly on the problem. Through communicating with the interviewer and acting on his hints, I found the error in my logic and shifted to the right track. Ultimately, I used two pointers and stack for the most optimal solution.

3) Technical Interview 2: I was asked a problem on Graph of special objects. I had to group the objects in the same connected components together. I went straight to the optimal solution for this problem because it was quite a big program.

In both rounds, I talked throughout the whole process and explained the complexity of each approach.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA (VERY Important)

When did you start seriously preparing? How did you go about it?
I seriously started in the summer break after 2-2, doing a DSA playlist from Youtube. After completing this, I began giving contests (mostly virtual due to the lack of live ones) on Leetcode and Coding Ninjas. A few days before each company's OA, I did its previously asked questions on Leetcode, also doing hard questions on the topics asked in those companies (check the chronicles).

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

1) Proficiency in DSA
2) Thinking your ideas out loud; Communication
3) Explaining your thought process while working on the solution
4) Asking for the proper clarifications after going through the problem statement.

What kind of projects did you work on that was helpful to your selection?
Apart from the CDC projects (OOPS and DBMS), I added my PS project (It wasn't very big) and a personal project (An app in Flutter).

Sources to help in preparations
Complete DSA through one of the Youtube Creators (e.g. take U forward aka Striver), then give contests on platforms like Leetcode and Coding Ninjas. Remember to check solutions for the problems you weren't able to solve.

Your suggestions to someone preparing to appear in this company?
"Focus on one language (e.g. C++, Java, Python) and do DSA. Learn to use classes, standard data structures, and library functions in your language. Practice speaking out your ideas in problems. Take the help of a friend if needed. A project is optional, but you should have at least one on your resume (especially if you are not from CS and your PS was lite). Practice common Google concepts like Graphs, Trees, Arrays etc. **For the interview:** Practice writing code on google docs. Keep a notebook and pen to write and check code.

During the Interview: Take a breath if you are nervous; ask for a minute if you can't answer immediately. Speak out your idea before coding it. Listen to your interviewer, ask for clarifications."

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Tarimala Vignesh Reddy
CGPA: 9.94
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3 rounds: 1 Online Assessment round, 2 interview rounds

What kind of questions were asked in each round?
First Round: (Online Assessment Round)
Two questions were asked in this round.
1. The problem was based on 1-D dynamic programming. The problem itself was not too hard, although it did take some time to figure out that the problem could not be solved through a greedy approach. After that coming up with the recurrence for the dynamic programming solution was pretty straight forward. I was able to fully clear the test cases using the DP approach.
2. This problem was based on 2-D dynamic programming and was quite difficult in my point of view as the 2-D recurrence was quite complex to figure out. I was only able to come up with a brute force solution in the remaining time that I had and could only clear 2 test cases out of 10.

The criteria to clear the OA round is not really fixed. However, I would say to read both problems, identify the easier one and try to clear as many test cases as possible.

Interview Rounds: I had two DSA based interview rounds.

Second Round: Interview Round 1: In this round the interviewer first asked me a pretty basic graph traversal based question. The question had multiple sub routines each more complex than previous. The most challenging part was to come up with an optimal solution for the last follow-up of the question which was based on using priority-queues along with DFS. I was able to come up with the optimal solution for all the 3 follow up questions within the 45 minute time limit.

Third Round: Interview Round 2: In this round, the questions were based on graphs, more specifically based on topological sorting for which I used the Kahn's algorithm. The question was indirect but once I realised that it was based on topological sorting, it was just implementing the algorithm with some minor changes. The second question I

was asked was less of a coding question and more of a real world problem solving question. I was given a situation where I would be dealing with large files and was asked to identify some potential issues in the given file system. I was also asked to write some pseudo code to help optimise dealing with large files.
Overall, The questions in the coding round were harder than in the interview round, but you must focus on writing clean, modular code and use object orientation principles wherever possible. Try to communicate your ideas to your interviewer actively as he/she will try to steer you in the right direction. Write meaningful variable and function names as the elegance of your code also plays an important role in the interviews."

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Data Structures and Algorithms

When did you start seriously preparing? How did you go about it?
I started preparing DSA actively from the 3rd semester. I focussed on solving problems covering different topics on Leetcode and interview-bit during the PS-1 period.

What were some critical topics/skills essential for the process?
Google focuses only on DSA. All the interview rounds are based on DSA questions. No questions were asked about my resume, OOPS, DBMS or System Design.

What kind of projects did you work on that was helpful to your selection?
Although Google only asks DSA questions in the OA and interviews, they have a resume short-listing round. So, it is advisable to have a good resume with projects that standout.

Sources to help in preparations
LeetCode, Strivers SDE sheet, Geeks For Geeks

Your suggestions to someone preparing to appear in this company?
Do not get nervous during interviews. Communication skills are equally important to coding skills. Communicating your thoughts effectively to the interviewer will help in evaluating you as a candidate. Try to write clean and modular code. Practice DSA questions based on a variety of topics especially Graphs, Trees and Dynamic Programming.

Name: Ayush Bhauwala
CGPA: 9.82
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
1 online test and 2 interview rounds

What kind of questions were asked in each round?
The online test had 2 coding questions. In the interviews, you are asked to solve one DSA based coding question.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Data Structures and Algorithms, Object Oriented Programming

When did you start seriously preparing? How did you go about it?
I started preparing after my 2-2. I solved leetcode questions and watched YouTube videos by Striver. DSA course helped build a foundation.

What were some critical topics/skills essential for the process?
DSA is the most important topic. Solving as many DSA problems and doing competitive coding will be very helpful. Apart from that, being able to communicate your thought process in solving the question during the interview is also important.

What kind of projects did you work on that was helpful to your selection?
Projects were not given importance.

Sources to help in preparations:
Leetcode, Striver's YouTube videos and SDE sheet, Codeforces

Your suggestions to someone preparing to appear in this company?
I'd suggest one to practice as much DSA as possible and be able to communicate effectively during interviews.

iCIMS

Eligibility: B.E CSE, EEE, ECE, ENI
CGPA Cut-off: 7
Roles: Intern
Selects: 8
Selection Rounds: 3
Stipend: 80,000 /month

Name: M Sai Karthik
CGPA: 8.55
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
2 Online Assessments and 1 Round Interview

What kind of questions were asked in each round?
1st round of OA had 4 questions, one question based on spring-boot, one based on FASTAPI, one based on DSA(Leetcode Medium level), 1 fairly easy correct the code question.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOPS, DBMS

When did you start seriously preparing? How did you go about it?
I started preparing late in July 2023, I did leet-code questions consistently every day and gave coding contests sometimes in between.

What were some critical topics/skills essential for the process?
Having a grasp of DSA is key to clearing online assessments and interviews. Additionally, knowledge about OOP, DBMS, and soft skills such as interpersonal communication is very important during interview.

What kind of projects did you work on that was helpful to your selection?
I included couple of web development projects along with my AI and ML projects to enhance the appeal of my resume.

Sources to help in preparations
Leetcode, Interview Bit,GFG, Codechef

Your suggestions to someone preparing to appear in this company?
Have good grasp on DSA, projects on your resume and should have good communication skills.

Name: Raguram Venkatesan
CGPA: 8.32
Role: Summer Intern

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
The first round had 3 DSA questions. They were easy-medium. Speed was of the essence as most of the students got all the questions right. Correctness was given priority over complexity (unless mentioned). The second round had 40 logical questions that were to be answered in 20 minutes. Questions were very easy. It was more of judging which questions to leave to maximize your results. The third round was an interview round. It had logical & DSA questions. It was followed by an informal HR round.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA

When did you start seriously preparing? How did you go about it?
I started preparing since the first announcement of the SI drive (the end of the second year). Did questions from leetcode & codeforces. Doesn't matter where you are doing questions from as long as you cover all topics. Striver's comprehensive sheet on the topics can be used as a reference.

What were some critical topics/skills essential for the process?
Logical and critical thinking can be developed by solving many questions. Code implementation comes only with practice so try to code a solution instead of just thinking about it.

What kind of projects did you work on that was helpful to your selection?
I was asked about my contribution to my OOPS project in the interview. Other than that projects didn't really help out here.

Sources to help in preparations

Striver's sheets, Coding youtubers (like neet code)

Your suggestions to someone preparing to appear in this company?

Be ready with basic DSA models and techniques before the rounds. Go through the solution templates of the above-mentioned models to save time and spend it on problems that could actually make a difference.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Aditya Kumar Sharma
CGPA: 9.37
Role: Infrastructure Engineer

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1: Offline test - Conducted on Codility, it consisted of 4 questions (lasting 2 hours): 2 on DSA, 1 on Spring Boot, and 1 on FastAPI. The DSA questions ranged from easy to medium difficulty.

Round 2: Online aptitude test: This section included 50 multiple-choice mental ability questions to be completed in 15 minutes, with no penalty for incorrect answers. Additionally, there was a personality assessment test with around 120 questions and no time limit.

Round 3: Online interview: Primarily focused on the technical aspects, with a few HR-related questions. The interview began with a discussion of my resume. Ensure that you are well acquainted with the content of your resume, as my interview largely revolved around one of the projects I had listed. Understanding the role for which you are applying is also crucial. At last, they asked a few standard HR kind of questions.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOPS, DSA are essential, for my interview OS and CN also came handy.

When did you start seriously preparing? How did you go about it?
I started preparing around the midsems of 2-2, I did a DSA course (by gfg) and then moved to practice.

What were some critical topics/skills essential for the process?
For the online test, focus on DSA, and thoroughly understand your resume for the interview. Knowledge of OOPS, DBMS, OS, CN is a plus. Lastly, be confident for the interview.

What kind of projects did you work on that was helpful to your selection?
Web development and DBMS project.

Sources to help in preparations
Leetcode/InterviewBit: anything works; just start doing questions, don't wait until you complete whatever DSA course you are doing.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Akshitha Bajjuri
CGPA: 7.92
Role: SDE

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1: Online Assessment
2-3 Standard DSA questions based on array, linked lists, logic (the basic non-tree , non- recursion questions)

Round 2: Aptitude Questions and Personality Assessment

Round 3: Interview and HR
Conceptual questions in OOP, resume, DSA coding questions and conceptual questions, a logical puzzle. And basic questions about myself.
For the puzzle, the interviews asked me how would you rate your logical reasoning on a rate of 1-5. Be honest here, the difficulty of puzzle will be based on that.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOP

When did you start seriously preparing? How did you go about it?
I started doing DSA lab sheets during the course in 3-2 (which were the standard leetcode interview questions) and then continued with leetcode interview questions.

What were some critical topics/skills essential for the process?
Following striver's list, practicing the standard aptitude questions from youtube channels and OOP concepts are really essential. Being thorough with your resume and projects is a must.

Sources to help in preparations:
Striver's list, leetcode interview questions.

Your suggestions to someone preparing to appear in this company?
Don't miss out on any questions in any of the rounds. In interview, be honest, about your flaws too, but do not mention them until they ask you about it. Explain your logic out loud during the puzzle and the coding questions.

Name: Aditya Aggarwal
CGPA: 8.22
Role: Summer Intern

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1: Offline Test- Conducted on Codility, this test consisted of 3 questions. All of them were medium in terms of difficulty. The first question was on Graphs, the second one was on correcting a pre-written by changing only one line, and the last one was based on Matrix Manipulation. The goal was to test speed and accuracy in this round.

Round 2: Online Aptitude Test- This segment featured multiple-choice questions covering mathematics, logical reasoning, and data interpretation. The questions were of basic level. We had 20 minutes to solve 40 questions. Almost all of the candidates were shortlisted to the next round.

Round 3: Combined technical and HR interview- This round lasted for about 45 minutes. It started by 2 DSA questions of medium difficulty. We had to code and show the working of our code, covering all the edge cases was important. He also asked to explain the time complexity of our code and optimise it if possible. Next he asked basic questions on the projects that I had put in my resume and explain the problem statement for one of DBMS project. He then gave me a DBMS query to solve of medium-hard difficulty. Next, in the HR round he asked me a guesstimate - ""The number of people travelling in train in India everyday"". I gave a very logical approach to what my estimate was and the assumptions I took in order to reach that number. Followed by a basic HR question the round ended.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS, OOPS

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

I seriously started preparing for SI during the later half of 2-2. Started with the basics of coding by seeing the videos of GFG and then gradually started doing Leetcode and Codeforces regularly.

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

DSA, OOPS, DBMS

Communication Skills and Logical Thinking

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

Although no project was helpful in particular, I had 2 web development projects and one DBMS project. A good understanding of all the projects is important for any company.

My SI project was based on prompt engineering but I was not asked any question on it.

Sources to help in preparations

Start by watching the GFG course. Solve all the basic questions of Leetcode. There are various sections in Leetcode which include questions for beginners and the difficulty increases gradually. Watching the striver Youtube playlist can also help to build a strong base. Although I started giving contests Codeforces a little late but giving contests regularly definitely helps.

Your suggestions to someone preparing to appear in this company?

Try to solve as many DSA questions by understanding the logic behind each and every question. DSA is asked in almost every company and having a strong hold on it is definitely needed. Having a good understanding of OOPS, DBMS is very important for some of the companies. The content taught in BITS is sufficient for these subjects.

Lastly, being consistent in your preparation is very important.

Name: Jubil N S
CGPA: 7.36
Role: Technology Project Management Intern

How many rounds were there? (Test/ Interview)
2 OA + 1 Interview

What kind of questions were asked in each round?
Round 1: Technical OA - As the test was common for 3 roles(Business Analyst, Project Management & Infrastructure Engineer) it had 4 questions. Two of them were coding questions on JAVA and Python programming, One being making limited changes in the given Java code and other being writing a python program. The other two questions were API based. I personally solved only 2/4 i.e the Java and Python ones.

Round 2: Aptitude OA - It had 50 questions to be done in 15 minutes. The questions were pretty easy and needs 15 minutes of pure attention, It had Pattern Filling, finding difference in set of words etc type of questions. I was able to attempt 50 of them.

Round 3: Interview - It was more of a discussion of 30 minutes to know me better. Nothing Technical was asked. I was asked the Best Project and the worst project I've ever done till now with proper reasoning to the same. Was explained about the current projects being done at iCIMS. the interviewer also asked if I have made any kind of presentations to which I showcased some of my presentations made on research papers for my Economics CDCs. She asked about my interest in finance and the relevant coursework I've done till now. My PS-1 experience was also enquired and I discussed about my learnings.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOPS, Economics CDCs and CS CDCs

When did you start seriously preparing? How did you go about it?
As a Dualite, I started preparing for it from the end of 3-2. Just was focusing on the learning from my CS CDCs and Economics courses.

What were some critical topics/skills essential for the process?
OOPS, JAVA, Soft Skills, PowerBI

What kind of projects did you work on that was helpful to your selection?
Both of them were my Formal Projects, one being funded under the SPARKLE scheme.

Sources to help in preparations
Youtube Videos, CS Courses

Your suggestions to someone preparing to appear in this company?
Just be you! Make sure to discuss about everything, you have done in detail be it your course projects/PS1 Projects/External Projects

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Harshil Kankane
CGPA: 8.08
Role: SDE

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1: Offline Coding Test
3 Questions were to be solved in time I don't remember exactly (1.5 hr ig).
Q1: Find the error in code, and write/replace 1-2 line for the logic to work.
Q2: Simple Brute force question based on array.
Q3: DP question, Leetcode hard. (Like paranthesis generating Q)

Round 2: Aptitude Round
Questions were very easy, and doable in the time allotted. Less than 1 minute was given for every question.

Round 3: Interview
Technical Manager and a senior Developer took my interview.
Resume explanation, Discussions on Web Development Projects and 1 Medium and 1 easy level DSA Question was asked.
I was asked to explain various approaches based on time complexity and then to code the best approach.
The developer asked me about OOPS, DBMS, basic OS too.
In Web Development he asked me to explain my projects and the difficulties i faced in making them along with some general Questions on the stack i used which was MERN.
He kept asking me question on same topic until i made a mistake or didn't have an answer for him.
Overall a very friendly interview experience and the questions were easy to medium.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOPS, DBMS

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

I started Competitive Programming after my first year. Since then i had some coding experience in C++. Later i started preparing specifically for SI at the end of 3-2 (cause i was confused between SI and Dual PS) which was late but my prior experience helped me.

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

Competitive Programming, Web Development, OOPS, DBMS, DSA (Strings, Arrays, Recursion, DP, these are the most important ones but there are more too)

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

My PS1 Web dev Project based on Employee record management system, Basic CRUD operations

OOPS Full stack project.

Other ML Projects and Certifications (idts was that helpful but important for impact of candidate, that he/she is working in different fields too).

Sources to help in preparations

Leetcode, GFG, Interviewbit, OOPS course, Codeforces.

Your suggestions to someone preparing to appear in this company?

Do Practice Coding and have a Full stack Web dev project with good grasp on its working and build. Do brush up Basic Web dev Concepts like RUST APIs (was my interviewer's fav).

Practice DSA questions with different approaches. Watch Angela Yu's updated Web dev course for Basics of web dev, so that you will be able to talk to interviewer (for beginners).

Rest it will be a Cake Walk. Good luck!!

Name: Harshit Juneja
CGPA: 8.27
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1: Data Structures and Algorithms:-
2 easy-medium question on strings and 1 DP question (which was tricky)
Round 2: Behavioral and personality test
Round 3: HR + Tech/resume based interview with emphasis on DSA, projects and some situation based questions

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS and OOP.

When did you start seriously preparing? How did you go about it?
I started doing Leetcode in March (of my 2-2).

What were some critical topics/skills essential for the process?
The clarity you have with your projects matter A LOT. They check how comfortable you are with what you have made. Pro tip: If you have a web project, PLEASE host it, this definitely gave me brownie points
Other than that, please focus on communication skills and how you narrate an answer. You can ask any senior to take your mock interview.

What kind of projects did you work on that was helpful to your selection?
1) A Deep-Learning based project with a particular Biomedical application
2) A website, which I had hosted
I had one more Python based project but they didn't ask for it

Sources to help in preparations
https://docs.google.com/document/d/1q6i_IVYwhOSpt8IpyrT4n5N4DfDi4oq0r-pBTsWebjE/edit

Invesco

Eligibility: B.E. CSE, ECE, EEE, ENI
CGPA Cut-off: 6+
Roles: Graduate Engineering Intern
Selects:
Selection Rounds: 4
Stipend: 50,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Rishabh Patil
CGPA: 8.19
Role: Graduate Engineering Intern -Indexing

How many rounds were there? (Test/ Interview)
4(1 Online Test + 3 Interviews)

What kind of questions were asked in each round?
Round 1: For the Online round: it was a MCQ round with 40 questions and duration of 1 hour. There were questions of Logical Reasoning, Aptitude, Verbal Ability, Basic Statistics and Math. The questions were of medium to easy difficulty but the test was quite lengthy.

Round 2: For the first interview, I was asked questions from my projects on my resume, I had a project on quant so I was asked quite rigorous questions on it, after that I was asked to code in Python. The coding questions were based on pandas dataframe and basic operations.

Round 3 & 4: For the second and third interview, two people from the US team took my interview and I was asked to go through my resume. They asked in depth questions on each project and my PS internship as well. At the end along with some HR questions, some basic finance related questions were also asked.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Nothing in particular, but having a data science oriented resume helps.

When did you start seriously preparing? How did you go about it?
I started preparing for SI from mid-summer break after my 2-2. I slowly picked up the pace. Though DSA was not relevant for this specific role, most of the preparation was on Leetcode and Interviewbit. Weeks before 3-1 compre I started working on my resume seriously and did a few courses and projects related to my interests.

What were some critical topics/skills essential for the process?
Skills in Python and/or R are a must. Knowledge of prob/statistics is also required. Additionally some knowledge of Data Analytics or working with data is also required.

What kind of projects did you work on that were helpful to your selection?
A few projects from my resume caught the interviewers attention, mainly the Quant Finance Codebook and ML models for predictions from Company Data. The latter one was an assignment from the course Computational Methods for Economics.

Your suggestions to someone preparing to appear in this company?
Work on your resume, try to get a few interesting projects or courses done.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

J.P. Morgan Chase and Co.

Eligibility: B.E. CSE, ECE,EEE,ENI
CGPA Cut-off: 7+
Roles: Software Development Intern(SDE)
Selects:
Selection Rounds: 3
Stipend: 75,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Dev Gala
CGPA: 9.6
Role: Software Development Intern

How many rounds were there? (Test/ Interview)
1 test (coding round)
1 virtual interview
1 hackathon

What kind of questions were asked in each round?
Round 1- Test : The test was a coding round with 2 questions and we were given 1 hr to solve them. The questions were easy and relied on your knowledge of DSA.

Round 2- Virtual Interview: This was an HR interview. The interview was on an online platform where we were asked a question and were asked to record a video response on the spot on the same platform.

Round 3- Hackathon : Applicants who cleared the 2 rounds were eligible to participate in JPMC's Code for Good Hackathon. The hackathon was in July where we had to implement a solution to a given problem statement that was provided by NGOs. There were 4 problem statements and each team (of 5-7 randomly allocated people) had to work on 1 statement. The solution must be submitted within 24 hours after which were the evaluation rounds.
In between the hackathon, technical interviews were taken where the interviewer asked you questions related to DSA, DBMS, Networking, OOPS and other CS fundamentals.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Data Structures and Algorithms (CS F211)
Database Management Systems (CS F212)
Object Oriented Programming (CS F213)

When did you start seriously preparing? How did you go about it?
Since the test for JPMC was in the middle of 2-2, I haven't started my serious preparation. I had knowledge of DSA and had solved lab sheet questions for DSA course (CS F211) in college and it was enough to get me through the test. The

labsheets had coved lot of the topics by then except for dynamic programming and graphs.

What were some critical topics/skills essential for the process?
Getting acquainted with solving DSA questions will be essential to get through the coding round. More important is to make a good contribution in the hackathon as the company mentors will be monitoring your progress. I was experienced in React.js and declarative UI because of working with Jetpack Compose in my PS so that helped me make a significant contribution in the hackathon.

Name: Vashisth Choudhari
CGPA: 8.96
Role: Software Engineer

How many rounds were there? (Test/ Interview)
3 rounds
i) Coding Test
ii) Online interview
iii) Virtual Hackathon

What kind of questions were asked in each round?
Round 1: The coding round had a pool of very easy questions ranging from LeetCode easy to medium levels. There was a period of one day within which we could attempt the test. The test picked 2 random questions from the pool for us to attempt (these questions were often repeated).

Round 2: The virtual interview had 2 questions which would show up on the screen and we had 2-3 attempts to record our answer within 2 minutes with around 30 seconds of prep time. These questions were more of the HR type, based on your past experiences and aspirations, rather than DSA/OOP/DBMS etc.

Round 3: The virtual hackathon, i.e. the main event Code For Good was a 24 hours long hackathon wherein we were given problem statements from various NGOs and could provide a preference order for the problems we would like to solve. We got a team of 7-8 members, randomly generated by the organizing team with students from all participating colleges/universities. The most important part of this round is showing willingness to work and interaction with the mentors provided by the company.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
The courses OOP, DBMS and ML gave me an opportunity to talk about the in-course projects and assignments during the interviews and mentor interaction.
Preparing regularly for DSA made the first coding round seem very simple.

When did you start seriously preparing? How did you go about it?
The coding test took place before the end of 2-2, that is, before the summer break and well before the actual SI season so I wasn't exactly prepared for it. Having regularly solved the DSA lab sheets provided in the courses and getting in touch with C++ was a great help though.

What were some critical topics/skills essential for the process?
The entire process focused more on your soft skills and ability to come up with solutions rather than your coding prowess.
Of course a good base in web/app development was relevant as well, as you do need to show a final project at the end of the hackathon.
MERN stack was the most commonly seen skill set, being proficient in some aspect of ML or other skills would also help you out if you can think of how you could incorporate it with your solution.
Having knowledge of GIT and Github would also help out a lot.

What kind of projects did you work on that were helpful to your selection?
The OOP project helped me get a good idea on how we could go about making a website, and extensively working with Python for my Practice School station helped me think of and implement an additional feature in our project which helped us stand out.

Sources to help in preparations
https://leetcode.com/
https://www.youtube.com/@NetNinja

Your suggestions to someone preparing to appear in this company?
Work on your communication skills, find an interest in web or app development and work on some projects for yourself. There is a very little emphasis on CC or DSA as compared to that on your actual project. This process started much before the actual SI season, so it's best to be prepared in advance.

Name: Manan Gupta
CGPA: 9.34
Role: Software Engineer Intern

How many rounds were there? (Test/ Interview)
3

What kind of questions were asked in each round?
Round 1- Online Coding Round
There were two relatively straightforward questions related to Data Structures and Algorithms (DSA) and it was necessary to solve them fast.

Round 2- Hirevue Interview
It was an automated interview round and 2 behavioral questions were asked.
We basically needed to describe ourselves in this round.

Round 3- Online Hackathon + Interview
Next was the Code for Good hackathon which is organized annually by the company. Here we had to work on a particular NGO's problem and come up with the best possible software solution within 24 hours. JPMC Engineers acted as mentors for us in this round and interviewed us throughout the hackathon. These interviews involved Web Development and HR related questions.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA,DBMS,OOPS

When did you start seriously preparing? How did you go about it?
I started my preparation in my second year through GFG, Leetcode etc.
Weekly Labsheets in the DSA course helped a lot.

What were some critical topics/skills essential for the process?
Coding Round - As the online test is conducted very early than the other companies, it is not very tough. Basic understanding of all the topics and practice is the key.

Hackathon - Web Development (HTML/CSS/JavaScript/React) is a must.

What kind of projects did you work on that were helpful to your selection?
Course projects in OOPS and DBMS were helpful.
But building personal projects helps in understanding the tech-stacks better.

Sources to help in preparations
GFG
LeetCode
InterviewBit

Your suggestions to someone preparing to appear in this company?
In the 24 hour Hackathon, they're not only looking for the best developer, but also for someone who's a good team player, listens to their teammates, and gets along with everyone. Whether you get a job offer or not, completely depends on how you communicated with your teammates, mentors and how much progress you could make on the problem given to you. If you don't win the hackathon then also you can land an offer.
So try not to force yourself as a leader of your group. Instead, engage in discussions with your mentors as well as your teammates and be ready to work hard 24 hours straight without sleeping. Believe me it's worth it.
All the best!

Name: Saksham Bajaj
CGPA: 9.59
Role: SWE Intern

How many rounds were there? (Test/Interview)

There were three rounds:
one coding round, one interview, and one hackathon.

What kind of questions were asked in each round?

The coding round featured basic competitive coding questions that were easy and direct. The interview was conducted on HireVue and included two HR questions.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

The most helpful courses were Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOPS).

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

This process was very different from the typical Software Engineering (SI) process, so I didn't undertake any special preparation.

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

Important skills included Web Development and App Development, Leadership Skills can provide an edge.

Name: Leah K John
CGPA: 8.595
Role: Software Engineer

How many rounds were there? (Test/Interview)

There were three rounds: one coding round, one interview, and one hackathon.

What kind of questions were asked in each round?

The coding round included two basic DSA questions, with one focusing on arrays.

The interview round featured about three HR questions.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOPs) were particularly helpful.

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

I began preparing about three weeks before the actual hackathon. To get ready, I learned the MERN Stack by watching YouTube videos and using other online resources. Additionally, I created a basic web development project to apply my knowledge.

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

You need to be well- versed in web development and your ability to communicate with the interviewer/hr is another key aspect.

Name: Anushri Katiyar
CGPA: 8.17
Role: Software Engineer

How many rounds were there? (Test/ Interview)
Total of 3 rounds.
1st was coding round, 2nd was virtual interview, 3rd was an online hackathon.

What kind of questions were asked in each round?
Round 1: Coding Round: 2 DSA questions. One question was on strings, another was vector and math.

Round 2: Online Interview: We were given 2 personality questions, one was about our future goals. There was no interviewer, we had to record on their online platform.

Round 3: Hackathon: Teams of 7 were formed, with students from different colleges and had to solve a problem statement given by the NGO. It might require a website, an app, or in our case an extension or a software. Teams were announced 2 days prior to the event. On the day of Hackathon 2 mentors were present with us on the official Zoom. They both held a one to one session with every team member about their contribution to the team and some basic personality questions. It is important to showcase your contribution to the mentors as they are the ones who will give feedback about your performance. Even if your team doesn't win, you still have a chance to get the offer (my team couldn't clear the first round but 3 people got the SI offer).

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
As I am from the Electronics branch I studied DSA separately. The hackathon requires skills in Web development and App development, so that is also important. Rest courses that are important are: DSA, OOPS, OS, DBMS.

When did you start seriously preparing? How did you go about it?
I started my preparation in 2-1, but I had Java in my school so STL was not too difficult for me and I wasn't too serious then. In 2-2, I started practicing from Leetcode and

followed Striver A to Z sheet. I recommend doing all the easy and medium questions and if you have time constraints leave the hard ones to solve later but do solve them :)

What were some critical topics/skills essential for the process?
Good knowledge of DSA.
Web/App development depends on the need of problem statements for the hackathon. The tech stack is decided by the team.
Good communication skills and leadership quality.

Sources to help in preparations
Coding Ninjas for STL
GeeksforGeeks for DSA
Striver A to Z sheet (it has questions from Leetcode, Coding Ninjas and Gfg)
InterviewBit for interview preparation

Your suggestions to someone preparing to appear in this company?
Don't waste too much time on searching from where to start. Take one resource and stick to it. Team up with someone and set daily goals. Discuss your progress and try to brainstorm difficult questions together(I didn't do this part but highly recommend it).
In the Hackathon be vocal about your ideas and try to give as much input as you can. Even if you are new to the tech stack, learn on the spot and contribute to the team.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Amit Anjandeb Ghosh
CGPA: 8.96
Role: Software Engineering

How many rounds were there? (Test/ Interview)
3(1 Online Assessment, 1 Interview, 1 Hackathon)

What kind of questions were asked in each round?
Round 1- DSA | 1 Easy and 1 Moderate DSA question were asked. The easy question was Strings based, while the Moderate question was based on Dynamic Programming. Getting both questions fully was enough to get into Round 2.

Round 2- Virtual HR Interview | Had some standard HR questions. Cannot comment on the selection criteria.

Round 3- Hackathon | Had to code out a website for an NGO over a 24 hour time period. There were 8 possible NGO projects, which were allotted on a First-Come-First-Serve basis. Our problem statement was a project management system. We were allotted a random team of 7 with people from across the country. A mentor was assigned who guided us through what we needed to implement. Backend was of the essence here -- a fully functional backend ensured that we finished in the top 3.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS. Based on the problem statement, other courses like ML or OOPs could prove to be helpful. Software Engineering would have been extremely helpful, but I hadn't completed it back then.

When did you start seriously preparing? How did you go about it?
Didn't really prepare for JP Morgan specifically, since I was focusing on the more standard DSA + Interview type SI's. The DSA round was in the middle of 2-2, and the lab-sheets from the DSA course along with some common logic helped me clear it. I started learning Firebase two days before the Hackathon to contribute to the backend and functionality side, since no one else on my team knew backend development. A

couple of large code-along project videos and general understanding of the documentation was sufficient to code out a working site.

What were some critical topics/skills essential for the process?
Backend Web Development -- By far the most critical. Our team's frontend was shoddy at best, and even then we got till the finals because our site was fully integrated with the backend and had complete functionality.
Frontend Web Development might give you an edge in the final round, since all the apps in the final round would (probably) have a fully functional backend. Aesthetics would definitely be a bonus over there.

Quick learning skills - Even in case you get allotted a topic completely alien to you, you should be efficient enough to grasp at least the basics as soon as possible. (Example: Some teams got a game development project)

Adaptability - Your team may use a Tech Stack completely different from what you are used to, so you should be prepared to learn something from scratch just a day or two before the event.

What kind of projects did you work on that was helpful to your selection?
My OOPs project was helpful because of the understanding of React that it gave me. As such, it was easier to integrate the frontend code with the backend.

Sources to help in preparations
leetcode.com
Striver's SDE sheet and A2Z DSA Sheet
freecodecamp videos on whichever tech stack you want to use.

Your suggestions to someone preparing to appear in this company?
Selection is not only based on whether you reach the finals or win or not -- instead, your mentor scores all the members of the team based off how competent and collaborative they were. So even if your team doesn't make it, ensure you try your best and leave a good impression. Like most SIs, luck (team/mentor quality, tech stack team uses, problem statement, whether you get selected for the Hackathon round itself, etc.) is a very very important factor in this, so do not go into it with any heavy expectations of victory or selection. Just enjoy the process and you should be fine :).

Kenvue

Eligibility: None
CGPA Cut-off: 6.5+
Roles: Tech and Data Intern
Selects:
Selection Rounds: 1
Stipend: 75,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: S Ananth
CGPA: 8.72
Role: Tech and Data Intern

What kind of questions were asked in each round?
Round 0 - Resume shortlisting

Round 1 - Interview
Questions were asked based on the candidates' profile. For me specifically , DBMS, DSA, Math/Logical problem and Cybersecurity related questions as I had that in my resume. Basic HR questions were asked towards the end of the interview. The interview was 30 minutes Technical + HR.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DBMS,DSA,OOPS,OS

When did you start seriously preparing? How did you go about it?
I followed my coursework diligently and learned computer science fundamentals from the same. I did not specifically prepare for the SI drive. The level of questions were more aligned to coursework, not rigorous DSA questions which favored my selection.

What were some critical topics/skills essential for the process?
DSA and DBMS are the most essential. Some candidates were asked OOPS, ML, Python questions. Apart from technical skills, staying confident and thinking out loud during the interview played an important role in my opinion.

Microsoft

MICROSOFT

Eligibility: BE CS, ECE, EEE, ENI
CGPA Cut-off: 7
Roles: Software Engineer
Selects: 8
Selection Rounds: 3
Stipend: 1,25,000

Name: Aditya Raj
CGPA: 8.91
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)

Round 1: Online Coding Test
The platform used is Codility. This round had 2 questions and a time limit of 1hr 50mins.

Round 2: Technical Interview 1
We had an online interview where the interviewer asked me to introduce myself and straightaway started with a DSA question. The question was on Linked Lists (Leetcode Medium level) and I was asked to space-optimize my solution
.
Round 3: Technical Interview 2
This round started off more casually, with the interviewer asking me about my background and interests. They moved on to some data structure questions and finally asked me my approach to implement a task using DSA. After I answered, we discussed extensively their role in the company and the technologies they use everyday.

What kind of questions were asked in each round?
Round 1: Medium/Hard question on strings, bit-manipulation.
Round 2: Medium question on Linked List operations.
Round 3: I was asked slightly personalized questions on data structures, and had to explain how I can implement certain features in apps using those concepts of DSA. The final and main question was involving Trees, HashMaps, and DFS/BFS.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
My branch is ECE so until that point (2-2) I had not taken any relevant courses, except CS F111. DSA is extremely important as it is the major component of all tests/interviews. If you are not a CS student you can try taking FDSA in 2-2 to get a basic understanding. However, learning from youtube and practicing problems is a lot more fruitful.

When did you start seriously preparing? How did you go about it?
I had a very basic idea of Data Structures only, from CS F111 and CS50 (youtube). I started preparing seriously right after my 2-2 when summer vacation began. Initially I had a very random approach, solving questions on leetcode. After struggling a bit I started learning more advanced data structures, while also learning how to use Leetcode effectively. I was working on a web development project for PS1 alongside.

What were some critical topics/skills essential for the process?
You should have at least one decent project on your resume, which you can get using your PS1(if relevant). If your PS is not great then build a project yourself. You can try Web Development and learn (basic) concepts of Databases, OOP.
For the interviews your soft skills are very important. Speaking your thoughts out loud while coding and being an effective communicator can take you very far, even if your answer is not perfect. At the end of an interview, always have a reasonable question ready, it may show that you actually have an interest in the position.

What kind of projects did you work on that were helpful to your selection?
I had one Web development project on my resume that I made during PS1, it was a full-stack application with an external database. However, we did not discuss my resume much during the interview, and focused more on my knowledge and problem solving ability.
Sources to help in preparations?
Learning DSA:
Youtube - TakeUForward(striver) Playlists, Neetcode (Roadmap). GFG Articles.

Problems:
Leetcode is more than enough, it is a struggle initially but with more questions it gets easier. Solve Easy questions initially, but quickly move to a majority of Medium, and if possible, Hard.

Company Specific Questions :
If you are shortlisted for a company interview, make sure you solve questions that the company has asked before. For Microsoft, questions on Trees and Linked Lists are crucial.

Your suggestions to someone preparing to appear in this company?

Everyone has a unique experience in the interview, so you need to be prepared for anything. If your resume has decent projects, make sure you know every detail of the project and its implementation.

For PHoEnix students, not having great projects is not the end of the world. Learn and practice DSA diligently and have a genuine interest in what you're doing. Showing the interviewer your eagerness and ability to grow will let you level the playing field.

Name: Aayush Chitkara
CGPA: 8.74
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3 rounds

What kind of questions were asked in each round?
Emphasis on DSA and DBMS should be made

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS, OOPS were the most important.

When did you start seriously preparing? How did you go about it?
I started doing competitive coding around my 2nd semester. Didn't do leetcode much. For revising CDCs like OOPS or DBMS, I used slides provided by profs.

What were some critical topics/skills essential for the process?
From DSA data structures like binary search trees and monotonic stacks are important. Some standard algorithms like two-pointers are crucial.

What kind of projects did you work on that were helpful to your selection?
PS project and the projects I did for various CDCs.

Sources to help in preparations?
For DSA- codeforces for practicing questions and cp-algorithms for learning new topics.
For other CDCs - course material is enough.

Your suggestions to someone preparing to appear in this company?
Just be confident while giving answers. Communicate your thoughts with the interviewer.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Gunjan Barua
CGPA: 8.2
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3 Rounds (1 online coding test + 2 technical interviews, each one hour)

What kind of questions were asked in each round?
Round 1: Online test: Two DSA Questions with 60 min time limit.

Round 2: Technical interview 1: 2 easy to medium level DSA questions related to HashMap and Binary Search.

Round 3: Technical interview 2: Some discussion related to my resume/projects and 1 simple DSA question.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA

When did you start seriously preparing? How did you go about it?
Started seriously preparing during the summer before SI tests. Solved topic wise questions, took the help of Striver's DSA sheet and video explanations.

What were some critical topics/skills essential for the process?
DSA, OOPS and having an overall good understanding of the projects/skills on your resume.

What kind of projects did you work on that were helpful to your selection?
Course projects from OOPS, ML-based projects and PS 1.

Sources to help in preparations?
Striver's DSA sheet, Leetcode, GFG.

Your suggestions to someone preparing to appear in this company?
Be confident. Don't hesitate to think out loud and be vocal about your thought process.

Name: Yeshika Bharatiya
CGPA: 9.67
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3 Rounds

What kind of questions were asked in each round?
Round 1: Online Assessment
In the first round, we were tasked with solving two questions within a generous 110-minute time frame. The first question was relatively straightforward and logic-based, while the second was graph-based and demanded a significant amount of time and effort.

Round 2: Interview
During the second round, I was asked a question related to Linked Lists. We engaged in a discussion about the types of test cases that could effectively validate the code and explored edge cases as well. Additionally, a substantial portion of the interview was dedicated to discussing my PS project.

Round 3: Interview
In the third round, the interviewer began by inquiring about my overall preparation and my interests in various fields. Subsequently, a complex question involving graphs and maps was presented. Despite its intricacy, the interviewer provided guidance, and together, we managed to arrive at a viable solution.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Data Structures and Algorithms, Computer Programming

When did you start seriously preparing? How did you go about it?
I started preparing during my PS1 which was online.
I revised the concepts taught in the DSA Course at our college and then looked into advanced concepts in DSA. I practiced topic wise questions on codeforces and gfg. I also discussed questions with my friends to understand different approaches to solve

the same question and gradually with consistent practice I could see significant improvement in my problem solving skills.

What were some critical topics/skills essential for the process?
Problem solving, speed, experience with different types of questions are the general skills required.
In DSA, particularly graphs and dynamic programming should be focused on as a lot of the hard questions are usually based on these topics and these topics require extra effort.

What kind of projects did you work on that were helpful to your selection?
Research project based on Endpoint Cybersecurity using Machine Learning, ML Project on Cancer Detection

Sources to help in preparations?
Geeks for Geeks, Codeforces, Interviewbit

Your suggestions to someone preparing to appear in this company?
Consistently practicing is of utmost importance, as a lack of regular practice can result in a significant slowdown in your rate of progress. It's essential to invest ample time in comprehending all concepts thoroughly, followed by dedicated practice; with this approach, you'll be well-prepared to succeed.
I would also strongly recommend involving your peers in your preparation as it brings a form of learning into your preparation like no other platform can provide.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Vani Jain
CGPA: 9.23
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
1 Coding round, 2 Interview rounds

What kind of questions were asked in each round?
Round 1 : Online Assessment
We had 110 minutes to solve 2 DSA questions. One question was pretty easy and logic based. Another one was of medium level and included bit masking.

Round 2 : Interview round
First the interviewer asked to code a pretty easy and common, binary tree question. He asked about a few basic concepts used in the code. Then he gave an extension question which was a little complicated. He asked about the edge cases and helped me to reach a solution which passed most of the test cases.

Round 3 : Interview Round
The interviewer went through my resume and asked me to talk about one of my projects. I explained a machine learning project and we had a discussion on it for around 10-15 mins. Then he asked me to code 2 questions about matrices and arrays. Though the questions were easy, I still got stuck in one of them. But he gave me a few hints and then I was able to solve the question.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Data Structures and Algorithms, Computer Programming were the two most important courses.

When did you start seriously preparing? How did you go about it?
I started preparing in the summer after 2nd year. I started doing topic wise questions from DSA sheets and did company wise questions from leetcode. I was solving only 9-10 questions per week during the summer. But I started solving a lot more questions near the end when the application process started for various companies.

What were some critical topics/skills essential for the process?
Problem solving speed
Important topics in DSA :
arrays, trees, graphs, strings, dynamic programming

What kind of projects did you work on that were helpful to your selection?
I worked on a couple of machine learning projects and also on a few frontend projects which helped me.

Sources to help in preparations?
GeeksforGeeks
Leetcode

Your suggestions to someone preparing to appear in this company?
Reading previous interview experiences of Microsoft will be helpful, as a lot of the questions asked were already asked in previous years.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Nehal Nenawati
CGPA: 8.66
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
3 Rounds

What kind of questions were asked in each round?
Round 1: was the OA where one question was on bit manipulation and other was on basics of arrays and vectors. The first one was of medium level and the second was quite easy.

Round 2: (45 mins) was the technical interview round where I was asked two questions. I had to reverse an array in a given batch size. I told the stack approach first and then they asked me not to use any extra data structure and also asked me several questions on the basics of some data structures, internal working of vectors, linked list etc. The second question was a bit complicated one where I gave the naive approach first but then with some hints given I was able to come up with an optimized approach which included applying quick sort. Then I was asked about various sorting techniques and when should one be used.

Round 3: was a mix of technical and HR questions. I was asked about trees, BST, how to validate a BST, recursion, etc. Then I was asked about my PS project, what interests me in the field of technology and other general questions. The round was supposed to be 45 mins but lasted for more than an hour for me.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA

When did you start seriously preparing? How did you go about it?
I had DSA as my CDC in 3-2 so I started then only but it was mostly all about the course curriculum. I seriously started preparing in the summer break after 3-2.

What were some critical topics/skills essential for the process?
DSA, problem solving, communication skills

What kind of projects did you work on that were helpful to your selection?
My resume only had the course projects of OOPS, DBMS and my PS1 project. I was asked to explain my PS1 project in detail and what problems I faced during that and how I solved them.

Sources to help in preparations?
InterviewBit
Leetcode
Striver

Your suggestions to someone preparing to appear in this company?
From what I have experienced Microsoft focuses more on basics of DSA (vectors, strings, LinkedList, stacks & queues, Trees, BST, sorting algos) and expects you to know the same. Being confident and having a positive attitude throughout the interview is always a plus point.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Shrestha Saxena
CGPA: 8.83
Role: Software Engineering Intern

How many rounds were there? (Test/ Interview)
1 Online Coding round + 2 Technical Interviews

What kind of questions were asked in each round?
Round 1: Online Coding Round --> 2 DSA questions were asked and 110 minutes were given to solve them, First question was a pretty simple array-based question that also included bitwise manipulation, Second question was a medium level string based question that involved finding subsets of characters in strings that satisfy a certain constraint and then counting the number of strings that satisfy another constraint. I don't remember the exact OA questions but yeah if you solve Leetcode Medium/Hard questions you would be able to solve these 2 questions without any issue.

Round 2: Technical Interview 1 --> So this was an eliminative round and close to 40 people were shortlisted for this round, where you were given One DSA question to solve and the time varied depending on the individual, like for me it lasted for 30 min but for some others, it was as long as 50 mins. The interviewer started by asking about myself first and then he asked me to draw a binary tree and then asked me very basic stuff related to binary trees. Next, he asked me to do traversal of the tree in a certain manner and he wanted me to code the same and then I had to run test cases on it too, After that he tweaked the question to a Non-Binary tree and asked me how my approach would change , and also he expected from me to provide at least two approaches for the question. It was a pretty simple round. They were just testing the basic knowledge of coding with some of your personality too. Leetcode easy to medium questions were asked to my peers too. All those who were able to code correctly were shortlisted for the next round.

Round 3: Technical Interview 2 --> Around 18 people were shortlisted for this round which was a mix of DSA+Project Discussion, It was 1 hour long round, and mostly the interviewers were all senior engineers having 20+ years of experience in the industry. It started with around 5 min of discussing about myself and then he introduced himself too, after which he immediately jumped to DSA questions. The first question was a Stack based question, He expected a fully functional code with all test cases running

fine plus he wanted the code to be properly indented and different functions to be created and used, He emphasized a lot on code quality and Was constantly trying to put a lot of pressure on me, maybe he wanted to test how would I react to stressful conditions. I was able to code properly and all test cases passed. Next off he asked me about a Dynamic Programming problem which was kind of similar to the Coin Change problem. It was of Medium level only, again he wanted a fully functional code with all test cases passed and I was able to do the same. Lastly, he asked me some String+Math Based questions where he wanted just the approach but I was not able to give the right answer. After these, 10 minutes were left and as I mentioned MongoDB in my resume he asked certain questions about the same and then asked about the project I did in my PS-1. In the end, he asked me if I had any questions and I asked a few and the interview was over. This round was hectic and questions were medium-level types only.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
As I am from EEE I was not able to take up courses like DSA,OOPS,DBMS in my 2nd Year. The only course related to CS I did was CS F111 in my 1st Year.

When did you start seriously preparing? How did you go about it?
I started Preparation in the middle of 1st Year but it was mostly focused on learning C++ and basic stuff like Array, Searching, and Sorting.. I started preparing seriously right from the beginning of my 2nd year. I took up a course on GFG self-paced DSA course and practiced a lot of questions on Leetcode and GFG too, for DP I referred to Aditya Verma's youtube playlist, and for Graph - Striver's playlist otherwise GFG is a complete package.

For Development and Projects, I took Angela U's course on Web Dev and did it for frontend and backend web dev during my PS-1 only, and believe me PS-1 is a golden time to Practice DSA and learn Dev side by side. I would highly recommend doing Leetcode on a daily basis to maintain consistency and 1 week prior to the interview I started grinding Neetcode Top-150 questions which were really helpful.

What were some critical topics/skills essential for the process?
1. Trees
2. Dynamic Programming

3. You need to be patient and cool in any situation and present the best of you to the interviewer even when he puts a lot of pressure on you.

What kind of projects did you work on that were helpful to your selection?
I did an ML-based project which included Web dev stuff too during my PS-1 and usually the interviews are more inclined toward the technologies used rather than the project itself.

Sources to help in preparations?
1. GFG
2. Leetcode (God)
3. Neetcode Top -150
3. Aditya Verma's DP Playlist
4. Striver's Graph Playlist.
5. Angela U Web dev course (Udemy)

Your suggestions to someone preparing to appear in this company?
Just be confident during the interviews and at last DSA is everything be good at it.

Notion

Eligibility: B.E. (all)
CGPA Cut-off: 7
Roles: Software Engineer Intern
Selects: 1
Selection Rounds: 4
Stipend: 1,25,000 + benefits

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Valluri Akhilesh Kaushik
CGPA: 7.52
Role: Software Engineer Intern

Eligibility Criteria:
7+ CGPA, No backlogs

Recruitment Procedure:
1 online test + 3 interviews

What kind of questions were asked in each round?
Round 1: Online test: (DSA)
4 questions, 1 hour 5 minutes. Questions types were matrix implementation, greedy, backtracking. All questions were of difficulty of Leetcode medium, or roughly 1200 rating in Codeforces. Time crunch was the bigger issue.

Round 2: Interview 1: (DSA)
2 questions. 1 DP/Greedy + Bitwise (both solutions will give the same time complexity) rating ~1500 codeforces. 1 string implementation question, rating ~1100 codeforces.

Round 3: Interview 2: (DSA)
2 questions. 1 tricky Greedy which seemed like DP + Binary Search. Had to take a lot of hints to figure out that the question could be solved better and easier with simple greedy, ~1500 rating codeforces. 1 graph question which was very unique, never saw anything similar to it before, had to calculate total vertices and edges possible when given certain conditions. Was something you would see in a math Olympiad.

Round 4: Interview 3: (Development)
Asked questions regarding web development and SQL. Was asked to code an API with certain functionalities. Was allowed to Google in front of the interviewer. Questions were asked to test the understanding of development skills and debugging.

Note: At each point only the people who were able to solve all the questions perfectly were shortlisted into the next round

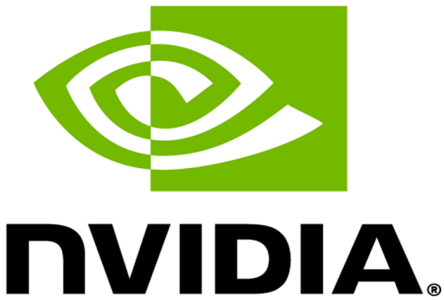
What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOPS, DSA

When did you seriously start preparing?
Summer of 2023. Spent around 3 hours everyday solving questions from Neetcode: https://neetcode.io/, finished 250-300 / 450 questions from the Neetcode "all" category.
However I had a good grasp of DSA by the time I had started as a result of studying the subjects prior.
To brush up and revise DSA concepts I used the books:
Competitive programmers Handbook by Antti Laaksonen
Data structures and Algorithms made easy by Narasimha Karumanchi
I would pick a topic from Neetcode, brush up on it from the above two books and then solve all the questions from the Neetcode topic.
Would take notes when I found a problem challenging or wasn't able to solve
Would then periodically "revise" the problems I was unable to solve by trying to resolve the problem after a week or so.

Topics/ Skills essential/ recommended for selection:
Highly important: Greedy, DP, Sliding Window, Monotonic Stack, Two Pointers, Binary Search
Important: Binary Search Trees, Heaps, Backtracking, DFS, BFS, Bit Manipulations
Not so important: Sorting, Advanced graph algos, Shortest Path algos, Minimum spanning Trees, Top Sort, Kosarajus algo, Hamiltonian Paths, Number theory

What kind of projects did you work on that was helpful to your selection?
Simple, end-to-end web development projects using popular and quick to implement tech stacks. (Flask, Vue, MongoDB/SQL was generally my go to)

Important Tips / Suggestions:
Just DSA isn't enough, have to be well versed in development as well.



Nvidia (Nvidia Corporation)

Eligibility: B.E. CS, ECE, EEE, ENI
CGPA Cut-off: 8
Roles: Software Intern, ASIC Intern
Selects: 4
Selection Rounds: 3, 2
Stipend: 75,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Jason Aaron Goveas
CGPA: 8.78
Role: Software Intern

Eligibility Criteria:
Branch: B.E. CS, ECE, EEE, ENI
CGPA Cutoff: 8

Recruitment Procedure:
There were 3 rounds.
Round 1: Technical Test on Hackerrank.
Round 2: Technical Interview
Round 3: HR Interview

What kind of questions were asked in each round?
Round 1: The technical test consisted of 27 MCQs and 2 simple coding questions. The MCQs were split into two categories: General Aptitude (15) and C Programming (12). One of the coding questions was to fix errors in a given C program, and the other was a simple implementation problem to be solved in C.

Round 2: The technical interview began with a short introduction and discussion regarding my resume and projects. I was asked to describe a project in detail, including how I implemented various features and what changes I could possibly make to improve them. The interviewers then asked me a few questions about DBMS and OOP. I was also asked a coding question on trees, for which I explained a simple brute force approach and then further explained how we could optimize it. I was then asked to solve a few algorithmic puzzles, and the time complexity of the solutions I came up with to solve them. Overall, the interviewers were quite friendly, and the round lasted for around 60 minutes.

Round 3: The HR interview was very short—10 minutes. A small discussion on why I wanted to join Nvidia and what kind of projects I was interested in working on.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS and OOP

When did you seriously start preparing?
I started preparing for SI from the start of 2-2, solving questions on LeetCode and learning DSA from various sources. After my PS1 ended, I started preparing for DBMS and OOP questions from course slides, and revised topics from GFG.

Topics/ Skills essential/ recommended for selection:
It is important to be able to convey your thought process clearly to the interviewer so that you can explain your solutions well, as most interviewers are interested in how you approach a problem as compared to whether you can solve the problem or not and will help you if you get stuck at any point.
Understanding DSA, DBMS, OOP, and projects that you have worked on is very important. Having a deep understanding of any programming languages that you are comfortable with is also a plus.

What kind of projects did you work on that was helpful to your selection?
I had mentioned some Android projects I worked on, along with my PS1 project (Issue Tracker Website), in my resume. I had to explain the tech stack of my PS1 project, along with the architecture of my Android projects and the various libraries that I had used.

Sources that helped in preparation:
DSA: Solve questions on Leetcode, Interviewbit, and Codeforces. Youtube playlists by Striver, Aditya Verma, and Neetcode were very useful.
DBMS/OOP: GeeksForGeeks articles were more than enough for interviews.

Important Tips / Suggestions:
Be confident and have complete knowledge of everything written in your resume. Always ask questions and communicate with the interviewer. Be well prepared in CS subjects; you should be able to explain concepts well, if possible with examples.

Name: Ansh Kanotra
CGPA: 9.01
Role: ASIC Intern

Eligibility Criteria:
CGPA Cutoff: 8

Recruitment Procedure:
2 Rounds (Round 1 - Technical Round Round 2 - Interview Round)

What kind of questions were asked in each round?
Round 1 - Mostly questions were asked from topics like DD, MPI, CompArch, and Static Time Analysis.

Round 2 - The questions in interview round were easier, mostly focusing just on Digital Design and tested fundamental understanding of the subject.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Digital Design, MPI, Computer Architecture

When did you seriously start preparing?
I started seriously preparing during my PS-1. Since my Practice School was also core-centric, it indirectly helped me in my preparation as I had to go through the basics of digital design and verilog.

Topics/ Skills essential/ recommended for selection:
Verilog, Digital Design, MPI, Computer Architecture

What kind of projects did you work on that was helpful to your selection?
The project I worked on in CEERI, which included closely working with and designing algorithms on FPGA Boards

Sources that helped in preparation:
Neso Academy, All About Electronics, Morris Mano's Digital Design

Name: Shreenidhi Ramaswamy
CGPA: 9.37
Role: ASIC Engineer

Eligibility Criteria:
8+ CGPA, CS,ECE,EEE,ENI

Recruitment Procedure:
2 (Online Test + Technical Interview)

What kind of questions were asked in each round?
Round 1: Online test had questions based on Digital Design, C Programming(recursions and loops mainly), Computer Architecture, basics of DSA and Logical Reasoning.

Round 2: Technical Interview had questions based on Digital Design (Kmaps, Combinational Circuit design, Design of sequential circuits), C programming, Queues and Static Timing Analysis

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Digital Design, CS F111

When did you seriously start preparing?
I started preparing seriously after my PS-1. I started by going through YouTube videos for Sequential Circuits. Attending classes and understanding concepts during the semester made my preparation easier. YouTube Videos and Lecture Notes were very useful during my preparation. I also solved a lot of Gate Questions.

Topics/ Skills essential/ recommended for selection:
A strong hold on design and analysis of sequential circuits and analyzing the output of C programs gives you an edge in the online test.

Sources that helped in preparation:
Unacademy, Kreatryx, GeeksforGeeks

Name: Rachana Chintalapati
CGPA: 8.14
Role: ASIC Intern

Eligibility Criteria:
CS/ECE/EEE/ENI, 8+ CGPA, Female

Recruitment Procedure:
1 test and 1 interview

What kind of questions were asked in each round?
Round 1: The test round mainly had questions on Digital Design and logical reasoning. A few questions on fundamentals of C programming and DSA were also asked.

Round 2: In the interview round I was asked 3 questions- one on memory organization, one on designing a digital circuit based on input and output waveforms, and a puzzle.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Digital Design and C Programming are extremely important.

When did you seriously start preparing?
I started revising my digital design concepts a bit during my PS-1 and started seriously preparing towards the end of it. I referred to youtube playlists for additional concepts not covered in college and solved previous year GATE questions.

Topics/ Skills essential/ recommended for selection:
Apart from digital design and c programming, also learn to solve questions on fundamentals of STA (setup time, hold time, maximum operating frequency) and some basic Computer Architecture concepts like memory organization. Knowing some Verilog can also give you an added edge.

Sources that helped in preparation:
Morris Mano textbook for theory and exercises
Examside for previous year GATE questions on digital design

GeeksforGeeks for C programming revision and puzzles
This playlist for memory organization:
https://www.youtube.com/playlist?list=PL3R9-um41JszyaKeoc9qP8Bn45XzqJycj

Important Tips / Suggestions:

The test duration is short with only 50 minutes for 23 questions, so it is important to stay calm and manage your time smartly while writing it; it's important to know your strengths to decide what to solve and what to leave for later. Make sure you think out loud and explain your thought process to the panel during the interview, they are friendly and will help you out with hints wherever necessary. In case you don't know a concept they may even give you the needed info to solve the question on the spot.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

PayPal

Eligibility: B.E. (all)
CGPA Cut-off: 7
Roles: Hardware Intern
Selects: 1
Selection Rounds: 3
Stipend: 1,00,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Revanth Nalla
CGPA: 9.8
Role: Software Engineer Intern

Eligibility Criteria: > 7CGPA

Recruitment Procedure: 3 Rounds

What kind of questions were asked in each round?

Round 1 was a coding round that included multiple-choice questions and a coding question. The MCQs mostly focused on JavaScript.

Round 2 was another coding round where I was asked three questions. The first two questions were relatively simple and related to strings and linked lists(involving the concept of slow and fast pointers). The third question was also string-related but was more challenging, more like a competitive coding question. I was able to explain my approach, but unfortunately, there was not enough time to implement it.

Round 3 was an HR interview. It began with questions about myself and genuine inquiries like what I expected from PayPal and what I knew about PayPal. I detailed all my projects as requested. One of my projects involved procedures and triggers, leading to in-depth questions on that topic. They also asked some questions related to Spring Boot because one of my web development projects is based on this framework. Additionally, they inquired about a project I had worked on during my PS1 internship.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOP, DBMS, DSA

When did you seriously start preparing?
I started solving Leetcode questions at the beginning of summer break and continued this practice while aiming to enhance my Data Structures and Algorithms (DSA) skills

throughout the two months of my PS1 internship. As the recruitment drive approached, I dedicated time to revising Object-Oriented Programming (OOPS) and Database Management System (DBMS) concepts, thoroughly reviewing the projects listed on my resume. Additionally, I found Striver's series and playlist invaluable for better revision and preparation.

Topics/ Skills essential/ recommended for selection:
DSA, OOP, DBMS, Software frameworks(Java script and Spring Boot for me)..

What kind of projects did you work on that were helpful to your selection?
A web development project(OOP).
A SQL-based project involving the creation of procedures and triggers for efficient database management(DBMS).

Sources that helped in preparation:
LeetCode
YouTube channels for DSA like takeUforward
GFG

Important Tips / Suggestions:
One should be able to solve Leetcode medium-level questions and demonstrate a good understanding of the projects they have completed, along with having some experience in web development.

Providence

Eligibility: B.E. (all)

CGPA Cut-off: 7, no backlog
Roles: Data Analyst
Selects: 3
Selection Rounds: 3
Stipend: 40,000

Name: Aditya Mahajan
CGPA: 8.8
Role: Data Analyst

Eligibility Criteria: 7 cg, no backlogs

Recruitment Procedure:
4 rounds- 1 Online, 2 Technical Interviews and 1 HR Interview.

What kind of questions were asked in each round?
Online round had mix of mcqs, one sql question and one coding question. First Interview was only Technical Questions, related to DBMS or other subjects on your resume. Second round was focused on your resume, projects and soft skills. HR round was normal HR qs, as well as an explanation for what is not on your resume/ your weaknesses.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Database Management Systems (DBMS) and Data Structures and Algorithms (DSA) were particularly helpful.

When did you seriously start preparing?

I started preparing during the summer between my 2nd and 3rd year, using online resources such as LeetCode and GeeksforGeeks.

Topics/Skills Essential/Recommended for Selection:

They focus more on the DBMS side compared to DSA. Additionally, they place a lot of emphasis on soft skills such as leadership and communication.

What kind of projects did you work on that were helpful for your selection?

They focus heavily on team projects, so ensure you are confident in your role and contributions to these projects.

Sources that helped in preparation:

DBMS preparation from GeeksforGeeks is particularly useful, as well as resources for aptitude questions.

Important Tips/Suggestions:

Be confident in your resume and be prepared to provide explanations and proof for everything listed on it. Also, ensure your DSA and DBMS fundamentals are solid to get past the initial rounds.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

QUALCOMM

Eligibility: BE CS, ECE
CGPA Cut-off: 7.5
Roles: Engineering Intern - Software , Hardware
Selects: 12
Selection Rounds: 2
Stipend: 45,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Abhishek Joshi
CGPA: 9.407
Role: Software Engineer

How many rounds were there? (Test/ Interview)
2

What kind of questions were asked in each round?
First Round was a online MCQ test with negative marking. It consisted of 60 questions divided into 2 parts, one being general mathematics and aptitude, other part consisted of programming questions (DSA).

During the interview, I was asked to create a class which implemented certain features of a CPU cache which could be done by arrays/queue, and then I was asked on how my solution could be further optimized which required knowledge of hash maps and random access using doubly-linked lists.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Computer Programming, Object Oriented Programming and Data Structures and Algorithms

When did you seriously start preparing? How did you go about it?
I started preparation after PS-1 ended, during the summer break. I revised the basic concepts of DSA and OOPS, looked up online resources for certain important approaches like Dynamic Programming and graph traversal. After that, I practiced problems on Leetcode.

What were some critical topics/skills essential for the process
Getting familiar with data structures like Hashmaps, pointers, linked list and quick problem solving

Sources to help in preparation
For revising important algorithms:
Abdul Bari:
https://www.youtube.com/playlist?list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O

For practicing questions
Leetcode 150: https://leetcode.com/studyplan/top-interview-150/
Striver
Blind 75, etc.

Your suggestions to someone preparing to appear in this company?
Solve a lot of problems so that you're confident and able to solve a given problem on the spot without errors. If possible, learn a few basic concepts of Operating Systems like function of cache, scheduling, etc. as they help during the interview.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Kush Agarwal
CGPA: 8.35
Role: SDE Intern

How many rounds were there? (Test/ Interview)
2 Rounds

What kind of questions were asked in each round?
1st Round: The test was primarily MCQs related to general C Programming, OOP, DBS, DSA, and some aspects of Networks, and Operating Systems. There weren't any DSA Coding questions or problem-solving questions.

2nd Round: In the interview, I started by introducing myself and sharing about my interests and a project I was working on. The conversation then moved to sorting algorithms, specifically merge sort and radix sort. I explained their principles and differences, focusing on when to use each based on data and performance needs. We then shifted to heap data structures and how they work. The interviewer also asked about pointers in C, discussing their role in memory management. Throughout, the emphasis was on evaluating my critical thinking and problem-solving skills.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, C Programming, OOP and DBMS

When did you seriously start preparing? How did you go about it?
I started preparing during my second-year break along with my PS-1. I learned DSA from Youtube (from take U forward, Aditya Verma) and started practicing DSA problems on Leetcode & from Striver's SDE Sheet.

What were some critical topics/skills essential for the process
DSA, OOP and DBMS

Name: Y.S Sandeep
CGPA: 8.43
Role: Software Engineer

How many rounds were there? (Test/ Interview)
1 Online test + 1 Online Interview round

What kind of questions were asked in each round?
Online Test:
The questions in the online aptitude test were straightforward. The first section was focused on mathematical reasoning, while the second section featured technical questions.
In the technical section, there were both theoretical and programming questions, covering topics such as Object-Oriented Programming (OOPS), Operating Systems, and C/C++.
Interview Round:
In the interview round, you are expected to have a strong foundation in Computer Science fundamentals, including Database Management Systems (DBMS), Object-Oriented Programming (Java), C/C++, and Data Structures and Algorithms (DSA).
Be prepared for conceptual questions in these areas. Additionally, you can anticipate two relatively easy to medium-level DSA coding questions during this round.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Database Management Systems (DBMS), Object-Oriented Programming (Java), C/C++, and Data Structures and Algorithms (DSA).

When did you seriously start preparing? How did you go about it?
2-2

What were some critical topics/skills essential for the process
strong problem-solving abilities (DSA), effective communication, and deep technical knowledge (Java, C/C++, DBMS). Additionally, a passion for learning new technologies is highly valued.

Name: Ashesh Verma
CGPA: 8.18
Role: Interim engineering intern - Software role

How many rounds were there? (Test/ Interview)
2 rounds(test, interview)

What kind of questions were asked in each round?
Online test round comprised of MCQ's from c programming, OS, Aptitude and logical questions.

Interview comprised of two sections, first was based on DSA, where given a code snippet and was asked to find the output and later on generic coding questions on linked list , strings, binary operators were asked.
Second section comprised of questions related to operating systems... Basic questions like what is mutex ,semaphore and interrupt.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Competitive Programming (CP), Operating Systems (OS), and Data Structures and Algorithms (DSA) were particularly helpful.

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

I started seriously preparing in my 2nd year by practicing questions from GeeksforGeeks.

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

Critical topics included Operating Systems with a focus on synchronization, and Data Structures, particularly linked lists.

Sources to help in preparation:

GeeksforGeeks was a valuable resource for preparation.

Name: Siddhant Srinivas
CGPA: 8.79
Role: Interim engineering intern - Software role

How many rounds were there? (Test/ Interview)
2 rounds(test, interview)

What kind of questions were asked in each round?
Round 1 was the online test. It had 3 sections: Logical reasoning, CS fundamentals and coding. Most of the logical reasoning questions were straightforward although sometimes time-taking, a couple were tricky. The CS fundamentals segment involved questions from DSA, OOPS and OS and tested theory. The coding segment involved a problem statement which was usually either printing an output or completing a function. Some of the coding problems involved an application of DSA.

Round 2 was the interview round. The interviewer first asked me a few questions from my resume and asked to explain what I did in some of the projects I did in areas I was interested in. The interviewer then moved on to the technical aspect, where I was given 2 programming questions in C. I was given the problem statement and told to code it out and explain the logic behind my program. These 2 questions were: backtracking and an application of triple pointers.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOPS and OS, and being proficient enough with any elective course

When did you seriously start preparing? How did you go about it?
I started seriously preparing in my last 2 weeks of holidays. I revised the DSA theory we had learnt in the course and started solving DSA problems on Leetcode. I also learnt some other important topics like graphs from youtube channels and GeeksforGeeks

What were some critical topics/skills essential for the process
Besides DSA, OOPS and OS, Logical reasoning was important for the written test. Good communication skills are also crucial for the interview, as we had to articulate our thought process while solving the questions.

What kind of projects did you work on that was helpful to your selection?
Besides my OOPS and DBMS projects, I worked on 2 Machine Learning mini-projects as part of an elective and an NLP project for my PS-1. The interviewer asked me detailed questions from my ML projects.

Sources to help in preparations
Leetcode, Striver's SDE sheet, GeeksForGeeks

Your suggestions to someone preparing to appear in this company?
Being thorough with everything on your resume is very important. Rather than putting many projects you don't know well, put a few you're well-versed in. Communication is important as well. Talking to the interviewer and continually explaining your thoughts and ideas will go a long way, even if you are unable to solve the question. DSA concepts are extremely important.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Kaustubh Mahatme
CGPA: 8.42
Role: Interim engineering intern - Software role

How many rounds were there? (Test/ Interview)
2 rounds (1 Online Test, 1 interview round)

What kind of questions were asked in each round?
Round 1: The assessment comprised three question categories: Aptitude, Output Analysis, and CS Fundamentals. The Aptitude segment was relatively straightforward, with the key to success being quickness. In the second section, we were presented with C code snippets and the task was to determine the output or identify errors. The third section evaluated our knowledge of CS fundamentals, covering topics such as OOPS, DBMS, and DSA.

Round 2: It was the Technical Interview Round. It began with some basic questions about arrays and Linked Lists. Then, I had to code 2 medium-difficulty DSA problems, one was based on Binary Search and the other was on Linked List. I had to explain how I approached these problems and look for any corner cases. Finally, they asked me some conceptual questions about Binary Search Trees (BST) and Graphs.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOPS, DBMS, CP

When did you seriously start preparing? How did you go about it?
I started preparing seriously during my PS-1. I was already well versed with the concepts of DSA so I directly started practicing questions from Leetcode. I started off by solving questions from Striver's SDE sheet which I found super helpful(questions from it were directly asked in some of my interviews). The key is to show up daily and practice questions.

What were some critical topics/skills essential for the process
A deep understanding of DSA and some basic concepts of OOPS and DBMS will work just fine.

Sources to help in preparations
Leetcode, InterviewBit, GFG, Striver's SDE sheet and his videos

Your suggestions to someone preparing to appear in this company?
To prepare for the Online Assessment, it's crucial to revise all the concepts, with a special focus on DSA. I suggest solving approximately 5-7 DSA questions daily, covering essential topics like Graphs, DP, Linked Lists, etc.

When it comes to the Interview, confidence (though it may sound cliche, but it works) plays a pivotal role, along with effective communication with the interviewer. Therefore, when working through a problem, try explaining your approach out loud.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Dharanikanth Reddy Yerasi
CGPA: 8.24
Role: Interim engineering intern

How many rounds were there? (Test/ Interview)
There were a total of 2 rounds. The first round was the online assessment and the second round was the technical round. We were initially told about the possibility of a HR round but it was scrapped.

What kind of questions were asked in each round?
Round 1(Online Assessment):
It had three sections, Logic, CS F111 type and theory CS. Logic section entailed a lot of logical and aptitude questions with some requiring basic probability and math. The CS F111 type questions were rooted to knowledge of C. Snippets of code were given and we were asked to find outputs or if they would error or not. In the CS section they asked fundamental questions based on CS concepts of DSA, and OOP.

Round 2(Technical Interview):
My interviewer focused more on the approaches so I had very less live coding to do. I was asked questions like implementing stack using queues, backtracking with the n queens example, deleting nodes from linked lists, basics of memory allocation in C, Polymorphism in C++. There were one or two questions related to ML as I told that it is the elective I am doing currently. Rest of the questions were related to my projects done during PS-1 and personal ones.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
CS F111, OOP, DSA

When did you seriously start preparing? How did you go about it?
I started preparing at the near end of my PS-1. I started by revising DSA and practicing questions on DSA. After coming to campus and learning about the interviews of other companies, I started revising OOP and CS F111.
What were some critical topics/skills essential for the process
For the logical and aptitude questions in online assessment, it's not easy to prepare as they can ask anything and it's sometimes a time sink so focusing on other sections

would be easy so revising the concepts of CS F111 and practicing DSA questions regularly should be enough.

What kind of projects did you work on that was helpful to your selection?
PS-1 Project related to using a depth sensing camera to make AR Sandbox
Personal web development projects

Sources to help in preparations
I have used neetcode and striver youtube channels for my preparation for DSA. As for other topics, refer to your course slides or notes.

Your suggestions to someone preparing to appear in this company?
Do not sit silent in the interview, keep asking questions(not too many) related to the question. Know DSA and C as it was focused more in the interview.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Shramana Ghosh
CGPA: 8.07
Role: Software Engineer

How many rounds were there? (Test/ Interview)
2 rounds

What kind of questions were asked in each round?
During the initial round of the interview process, a diverse array of topics were covered, spanning logical reasoning, data structures and algorithms (DSA), database management systems (DBMS), object-oriented programming (OOP), computer networks, and operating systems. The assessment included multiple-choice questions (MCQs) as well as code snippets, primarily in the C and C++ programming languages.

Moving on to the second round, the focus shifted to a technical interview where I was prompted to elaborate on my practice school project. The discussion delved into the underlying concept, its implementation details, and the rationale behind the chosen approach. Subsequently, the interview touched upon a DSA question related to maps, followed by insightful inquiries regarding key concepts in DBMS, OOP, and operating systems. This comprehensive evaluation encompassed both practical project insights and a solid understanding of core theoretical concepts of computer science.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, DBMS, Object Oriented Programming and CP

When did you seriously start preparing? How did you go about it?
I started preparing from my 2-2, my main focus was always on DSA and Object Oriented Programming. I tried to understand the DSA concepts in deep and then started to practice questions from Leetcode. Dynamic programming , graphs, trees and other few concepts were my weak points so i practiced more question those topics.
What were some critical topics/skills essential for the process
Problem solving, Good speaking skills, Ability to think and explain the interviewer your thought process and the solution you came up with.

What kind of projects did you work on that was helpful to your selection?
I worked on a robotics related project in my practice school-1.The objective of the project was to build a car-like robot in the simulated environment and give it functionalities like a camera , scanning the local area and sensing any obstacles that came in its way. The interviewer liked the project idea and asked me questions related to it.

Sources to help in preparations
LeetCode , youtube videos based on dsa concepts and class-notes.

Your suggestions to someone preparing to appear in this company?
At Qualcomm, the evaluation process places a strong emphasis on assessing candidates' conceptual knowledge in key computer science courses, including Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Object-Oriented Programming (OOP), Operating Systems (OS), and Computer Networks. Consequently, having a robust foundation and thorough understanding of these fundamental concepts is highly beneficial. The interview process seeks to gauge the depth of candidates' knowledge in these areas, underlining the importance of a solid grasp of basic principles and their practical applications.

Name: Tarun Raman
CGPA: 9.4
Role: Software Engineer

How many rounds were there? (Test/ Interview)
1 Coding round and 1 Technical Interview

What kind of questions were asked in each round?
There were 3 sections in the Coding Round- Logical ,Maths ,Computer Programming. All sections were timed and had MCQs with negative markings.
The questions from logical reasoning were quite simple. Maths involved basic calculation questions but was time consuming. The Programming round had questions in C language of trees, sorting, and other output finding type questions.
There were totally 60 or 50 questions and I had attempted more than half of them.

In the Interview round, I was asked basic coding questions, not really related to DSA. My interviewer was mainly interested in the courses I had done during my 2 years of college. So, my interview was more focused on Electronic Subjects.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
For the interview the Subject that was extremely helpful was Signals and Systems.

When did you seriously start preparing? How did you go about it?
I started preparing seriously about 50-60 days before the SI Drive. My main goal was to do as many questions I could from Love Babbar's DSA 450 questions sheet.
I had completed about 250 questions and had decent mastery over all the major topics in the sheet.

What were some critical topics/skills essential for the process
DSA is the most important thing for SI's, especially complete mastery of arrays and strings and also DP. Other topics like trees,graphs,bit masking are not that frequently asked.

Name: Karanam Abhiram
CGPA: 8.71
Role: Interim engineering intern hardware

How many rounds were there? (Test/ Interview)
2

What kind of questions were asked in each round?

- **Written Test:** Covered basics of Digital Design, Microprocessor and Interfacing (MPI), C programming, and included aptitude questions.
- **Interview:** Focused on basic questions related to 2nd-year CDCs such as Microelectronics and Communications (MEC), Digital Design (DD), Electronic Devices (ED), Signals and Systems (SNS), MPI, and Control Systems (ConSys).

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Courses such as Digital Design, Microprocessor and Interfacing, and Microelectronics were particularly useful.

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

I began serious preparation just a week before the rounds began, utilizing internet resources, slides from classes, and textbooks.

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

Critical topics included Digital Design (DD) and Microelectronics and Communications (MEC).

Sources to help in preparations

I relied on the internet, lecture slides, and textbooks for my preparation.

Name: Aditya Chandra
CGPA: 8.07
Role: Interim Engineering Intern Software

How many rounds were there? (Test/ Interview)
2 (Online Test + Interview)

What kind of questions were asked in each round?
Round 1: The first round was the online assessment. It had multiple choice questions based on logical reasoning, C programming and CS fundamentals. All three sections were timed. C programming questions were mostly based on what you would have learned in you CP course in 1-1. CS section had questions from DSA, OS and OOPS.

Round 2: This was the interview round which lasted for around an hour. The first question the interviewer asked was very similar to the Buy & Sell Stock III problem on leetcode. Even though I was not able to arrive on the most optimal solution, I kept conveying my thought process and thinking through out, which led to more of a discussion on the problem rather than just simple question/answering.

He asked me 2 more questions where one was based on linked list and the other on 2 pointer approach (both of which I had to code on the ide). After this he asked me a few questions on C and Bit manipulation. Moreover, for the coding questions you had to mention the time and space complexities as well.

Towards the end, I asked him what the role was about and how I could have done better throughout the interview.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Computer Programming, self done course on DSA.

When did you seriously start preparing? How did you go about it?
1. I started learning the concepts of DSA towards the beginning of 2-2 from the gfg self paced course.
2. During the summer break, I majorly solved questions on leetcode and revised all the important concepts (these 2 months were crucial to my preparation)

What were some critical topics/skills essential for the process

DSA (arrays, strings, linked list, dynamic programming should be more focused on) , OS, OOPS

Sources to help in preparations

Leetcode, GeeksforGeeks, Striver's SDE Sheet, OOPS from interview bit

Your suggestions to someone preparing to appear in this company?

1. Keep a strong grasp on C language and OS concepts
2. Keep a good hold on DSA and practice regularly.
3. During the interview, communicating your thoughts clearly is very important. Your thought process and the way you approach a problem matters a lot. The interviewer will not always look for just the correct solution but will also focus on your thought process.

Name: Amit Narayan Satpathy
CGPA: 8.87
Role: Interim Engineering Intern- H/W

How many rounds were there? (Test/ Interview)
Resume Shortlisting, Online Assessment, Technical Interview

What kind of questions were asked in each round?
The online test had questions from 2nd year CDCs like Digital Design, Microprocessors and Interfacing, Signals and Systems. It also had C programming questions and logical reasoning/ aptitude questions.
The interview round included questions from Signals and Systems, Digital Design, Microprocessors and Interfacing. Questions on Fourier transform, latches, Flip flops were asked. Communication Systems basics would be a good thing to know but I told them that I was yet to complete the course since it was 3-1.The interviewer was ready to take the discussion in the direction of the interviewee's choice. They asked me what I would be interested to be questioned on. Also, there was a brief talk about projects done. They were interested to understand if I'd gotten into the details of the processor architecture used. They were also keen to know how quick I could learn a new software/ language since I'd mentioned I used a bit of Verilog in the project.
Finally, a question containing a riddle was asked. They switched to another riddle since I fumbled to answer the first one. They walked me through the steps almost so that I finally reached the correct answer in the riddle. The interview ended with them asking me if I had any questions for them. I asked the interviewer how his experience working at Qualcomm had been so far.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
Digital Design, Microprocessors and Interfacing, Signals and Systems, Computer Programming

When did you seriously start preparing? How did you go about it?
Revised 2nd year courses a while before, also read up on pointers and C programming for the online assessment. Couldn't prepare a lot beforehand but acquainted myself with the basics.

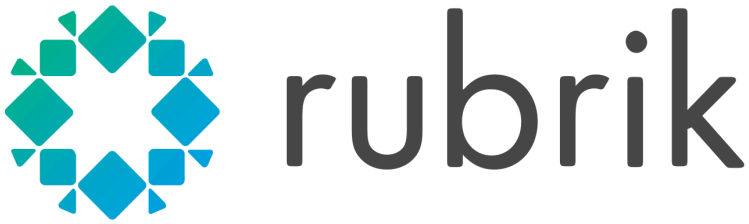
What were some critical topics/skills essential for the process
Digital Design should be focused upon. If interested in signal processing, one can focus on Signals and Systems too. Microprocessor basics should be brushed up on. Better if one knows a hardware description language like Verilog. Besides these, clarity and confidence are important.

What kind of projects did you work on that was helpful to your selection?
It was mostly the PS1 project on RISC V based architecture for Number Theoretic transform. They wanted to know the objective and the results achieved in the project and whether it yielded a publication. Also, they were curious about the skills acquired while doing the project.

Sources to help in preparations
Internet, textbooks and slides for courses.

Your suggestions to someone preparing to appear in this company?
Go in with an open mind, give your best. Prepare well. Try to find your true passion and reason with yourself why you want to join them and be clear about it.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in



RUBRIK

Eligibility: B.E. (all)
CGPA Cut-off: 8
Roles:SDE
Selects: 2
Selection Rounds:
Stipend: 3,00,000

Name: Pavas Garg
ID Number: 2021A7PS2587H
CGPA: 9.66
Role: SDE

What was the eligibility criteria?
Branch Eligibility: B.E All
CGPA Eligibility: 8 and above

How many rounds were there? (Test/ Interview)
4 Rounds
Online Assessment Round
Technical Interview Round 1
Technical Interview Round 2
HR Round

What kind of questions were asked in each round?
Round 1 : Online Assessment Round
This round included 4 questions of medium-hard difficulty, and the time allotted for this round was 90 minutes. 1 hard question required number theory and probability concepts, and other hard question was based on trees and used concepts like binary lifting. The remaining two questions were of medium difficulty, the major objective was to optimise the code, brute force was simple. This round was very competitive, and people who solved around two questions were shortlisted.

Round 2 : Technical Interview Round 1
This round was 45–55 minutes long, and I was supposed to solve a problem that was based on a grid involving 0s and 1s. The task was to find the number of paths from the starting point to the ending point, which was easy as the initial constraints were pretty low. I coded it in around 8–10 minutes. The challenging part was to optimise the code and reduce the complexity to O(Z^2), where Z is the number of 0s in the grid. As the mathematics behind this was pretty complex, the interviewer didn't expect me to code it, he was happy with the recurrence relation I came up with. Explaining the thought process is more important than coming to the correct solution, make sure to speak aloud while thinking.

Round 3 : Technical Interview Round 2

This round was also 45–55 minutes long, and the interviewer directly gave me a problem involving an array in which I had to use permutations to find all possible solutions. Again, brute force was very easy. I was supposed to come up with a better approach, but after a lot of optimisation, I gave an approach of O(2^(N/2)) instead of O(N!), which the interviewer was expecting. I coded the entire optimised solution, and he ran it against multiple test cases, and all of them passed.

Round 4 : HR Round

The hiring manager asked broad questions about projects, courses taken, and future goals related to the job during the final round, which lasted around 15 minutes. He was very interested in learning about all of my projects and my knowledge of the tech stack. He inquired about my PS-1 experience as well.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Data Structures and Algorithms (DSA)

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

I completed an online course on data structures and algorithms by coding ninjas during my 1-2. I solved a few questions on leetcode during 2-1 and 2-2.

I also started giving contests on CodeChef and Codeforces during 2-2, which helped me learn how to manage time while solving DSA problems during OA.

But my serious preparation began after 2-2 during summer vacation. I started solving problems on leetcode. I solved around 230–250 questions on leetcode, which significantly improved my coding skills. I followed mainly the striver sde sheet and solved the leetcode daily challenge.

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

DSA is crucial because Rubrik doesn't ask about OOPS, DBMS, or any other theoretical topics during OA or interviews, only DSA-related questions are asked. The ability to solve problems is crucial. It is necessary to be able to analyse a problem by segmenting it into smaller difficulties. Communication is also very important you should be able to explain your thought process clearly while giving an interview. Implementation is crucial, your code should be clear and easy to comprehend, use suitable variable names, and include functions.

What kind of projects did you work on that was helpful to your selection?
Although Rubrik didn't ask questions on projects, I had oops and crypto course projects on my resume and one personal web dev project using the MERN stack.

Sources to help in preparations:
If you have time before SI drive, then start giving contests on websites like CodeChef and Codeforces and try to solve the questions that you were not able to solve during the contest. Also, solve leetcode daily, at least that will help in maintaining consistency.

If only 2 months are left for SI drive, then switch to Leetcode and Interviewbit and try solving around 6–8 questions of medium difficulty daily.

Sources:
Coding Ninjas DSA course
Striver SDE sheet (very useful)
DP and Graph series by Striver
Leetcode, GeeksForGeeks

Your suggestions to someone preparing to appear in this company?
Be clear with the fundamentals of data structures and algorithms, and try to understand the time and space complexity of each and every problem you solve. Always, when solving on leetcode, see if a better approach is there or not. Try to speak aloud while thinking and, during the interview, communicate well with the interviewer.

Name: Aashish Chandra K
ID Number: 2021A7PS0467H
CGPA: 9.72
Role: SDE

What was the eligibility criteria?
8 CGPA

How many rounds were there? (Test/ Interview)
4

What kind of questions were asked in each round?
Online Assessment :
4 Very hard CC questions to be solved in 1.30 Hrs. I wasn't good enough to solve any question completely but I still got the highest score because I balanced all the questions optimally.
Best advice for this is to not spend too much time on any question.

First Interview : (DSA + Coding)
I had one geometry question.
The O(n*m) approach was very basic, I directly went into thinking of a better approach. We finally found a approach which in worst case is same as before approach, but was better in average case.
Best advice for this is to clear your thoughts and listen to what the interviewer exactly wants. Try to think of a general approach first before going into implementation.

Second Interview : (DSA)
I got a recursion problem. First gave O(2^n) Solution (very basic). Then I said we could try doing DP but the interviewer suggested constraints so that we cant use DP. Then we used meet in the middle to find an O(2^(n/2)).
Then the problem was extended where I had to use Inclusion Exclusion, for first case had to do O(3^(n/2)) then had to do O(4^(n/2)) and on.
Best Advice for this round is to try to communicate properly, since coming up with such an approach on your own is really hard. Think of the interviewer as your friend whos solving the problem with you.

Third Interview: (HR)
I was asked questions about my projects, courses, and a few stuff about college and my Practice School.
They also wanted to know what I would want to do 5 years into the future, and why I choose Rubrik.
Best Advice for this round is to let the interviewer know why you prefer Rubrik over other companies. (other than the money XD)

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
I was very good in all my CDC's, I think focusing a lot on these is good since it'll improve your overall aptitude and knowledge. So don't take ACADs lite, they are actually not that bad(Take prof lite study from slides).

On the other hand if you are non-cs, then you can take acads lite.

OOPS ,DBMS , RL were useful for their projects.
DSA is needed, but you will need to do so much more than just the course.
PS1 was useful in my case since I had a good station because of high CG.

When did you start seriously preparing? How did you go about it?
My serious prep started in 2-1, I followed advice of one of the Crux CC seniors blindly. I did codeforces for basically 1 full year.
In 2-2 I had my DSA course and did full leetcode in my PS1 time (PS was hectic).
I would say my consistency was what improved my skills so much. I was very disciplined when it came to giving contests.

What were some critical topics/skills essential for the process?
For the OA , CC is essential, Time management and speed you can only learn from CC.

But there are two ways to ACE an interview, either be smart enough to solve any new problem OR solve so many problems such that no problem is new XD.

In a Google Interview the interviewer doesnt help you at all, thats why the problems are of lower difficulty, in Rubrik Interveiw the problem could be extremely difficult to solve on your own, so make sure to communicate your thoughts properly. Do mock interviews with friends or seniors.

What kind of projects did you work on that was helpful to your selection?
I had a computer vision project from my Amazon PS , and a project from my DEL reinforcement learning. Both were good DS projects and I only talked about these in my interviews. I would say these 2 projects carried all my interviews for all day 0 companies.

Other than that I had my OOPS and DBMS projects which I didn't talk about anywhere. So its not compulsory to do Web Dev projects for a SDE role.

Sources to help in preparations:
DSA is needed for any SI, I recommend:
Do problems and also give contests in https://leetcode.com
Learn Intuition for major DSA concepts from https://neetcode.io/
If you don't feel confident in DSA even after that solve questions from Interview Bit.

CC is mostly only needed for the OA, but that's the main part. I recommend:
Major CC concepts you can learn from CSES Handbook and Problemset.
More complex algorithms and templates from https://cp-algorithms.com/
If you are willing to spend a lot of time on CC I will recommend the USACO Guide.
Giving regular CC contests on Codeforces and Atcoder.

Try talking to other people who do CC.

Your suggestions to someone preparing to appear in this company?
I was an expert in codeforces during the time, this is the reason why I think I was able to crack OAs easily. So if you really want to get into this company, do CC and become better. Honestly, doing leetcode was not so useful for me since I was already good at CC.

Time management is needed not only during the OA, but also during Prep - try to keep CC as one of your top priorities otherwise you won't improve.

TEXAS INSTRUMENTS

Eligibility: B.E- CS/ECE,EEE,ENI
CGPA CUT-OFF: 7+CG
ROLES: Software Developer/Analog Intern/Digital Engineer
SELECTS: 11
SELECTION ROUNDS: 2/3/2
STIPEND: 60,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Siddarth Annamaneni
CGPA: 8.18
Role: Digital Engineering Intern
Mode of offer: On-campus

What kind of questions were asked in each round?

First Round- It was an online test based on Digital Design,MPI and aptitude questions.

Interview round- It was also based on same topics as of the online test. The interview went about for around 1 hour, some 5-6 questions on Digital design were asked, a couple of MPI questions and a aptitude question to finish the interview.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Digital Design, Microprocessors and interfacing and computer architecture.

When did you start seriously preparing? How did you go about it?
I started preparing around 10-14 days before the online test when the notice of the SI came up. I started with revising the concepts of DD and MPI and practiced some previous year gate questions and FAQ's in interviews.

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

Counters,latches and flipflops,Static timing analysis(very important),Frequency divider circuits(very important),MUX as universal gates,8086 architecture,Programming in 8086.

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

Did a SOP on combat robotics which was not related to the role but created a good impression in the interview.I suggest to add the project in the resume only if you the have the complete knowledge of it and can explain it thoroughly.

Sources to help in preparations

- Digital intern resources SI

Your suggestions to someone preparing to appear in this company?

First research about the company and your job description and make your foundation concepts strong of DD and MPI which are the only subjects which matter in your test or interview.

Name: Harsh Rachalwar
CGPA: 9.57
Role: SDE intern
Mode of offer: On-Campus

What kind of questions were asked in each round?

The 1st round was MCQ with very weird questions from subjects like DBMS, DSA, OOP.
In the second round I was asked to write some SQL queries. Then I was supposed to do a Fibonacci series problem, and to implement a linked list using classes in C++, and further asked to do a simple insertion in a linked list given the value in the previous node. I was also asked about my Machine Learning related projects in detail.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

DSA, OOP, DBMS

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

I started a bit of practice after my 2-2 ended.
Followed Striver's DSA sheet.

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

Machine Learning related projects were asked in detail. Although I don't have an idea how much of a role they played in the selection criteria.

Sources to help in preparations

Striver's YT channel and his SDE sheet. For OOP and DBMS college course is sufficient, but I would strongly suggest revising OOP concepts in depth and practice some typical SQL queries (like finding 7th largest value in a table).

Your suggestions to someone preparing to appear in this company?

Get your basics right, you won't be asked too complex algorithms to implement during the interview (for Texas Instruments). I was also asked OOP, DBMS. But for other companies you do need to prepare in depth DSA.

Name: Harshini Maddala
CGPA: 9.25
Role: Analog Engineering Intern
Mode of offer: On-Campus

What kind of questions were asked in each round?

Round 1: Resume Shortlisting
The WiSH mentorship drive started midway in 2-2, where girls from prestigious engineering colleges were eligible to apply. The first round included submitting a resume and required at least one or more LORs for the application, based on which selections were made.

Round 2: Online Assessment
This was a 1 hr Multiple Choice Questions test including questions majorly from aptitude, logical thinking, basic digital electronics and semiconductor physics.

Round 3: Interview Round
The interview was based on digital design and electronic devices, a good read from Morris Mano and Donald A Neamen would suffice. The later part of the interview included industry specific questions and general knowledge towards electronics. Resume was shortly discussed with emphasis on projects(if any),followed by a short HR session.

The program:
WiSH(Women in Semiconductor and Hardware) was a 4 week long program conducted by Texas Instruments, 3 weeks online and 1 week offline at TI Campus, Bangalore. A total of 94 people were selected from around 300 applicants from NITS, IITs and BITS. We had alternate weeks of Analog & Digital topics, where we were given daily tests and tasks(including simulations) as well. We were divided into groups of four, assigned mentors and given research papers to make a technical presentation on in the final week. It was an engaging program at the end of which, summer internships were offered based on the scores obtained in daily tests, mentor feedback and marks obtained in the technical presentation

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Electrical Sciences, Digital Design, Electronic Devices & Microelectronic Circuits

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

I started preparing a week before the scheduled test time. Preparation mainly including strengthening and revisiting important concepts in DD and ED. Books like Morris Mano for DD and Donal Neamen for ED are really helpful. I would get any doubts I have cleared from the professors or NPTEL courses.

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

A good understanding of semiconductor physics and more importantly interest towards core electronics is essential. The processes and even the interviewers are very friendly and they help expand your thinking. Also general curiosity and awareness could be very attractive for an interviewer, for instance there was a question about why electronic devices are turned off onboard an airplane, and the answers are quite different from what we expect. But willingness to learn and adapt reflect your interest very well to the mentors and interviewers.

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

None that aided the process, the selections began way earlier than the SI season.

Sources to help in preparations

Course Textbooks, NPTEL courses and ECE GATE Questions(if necessary).

Your suggestions to someone preparing to appear in this company?

TI offers roles in both Digital and Analog domains. Both of these have their own interesting aspects, confusing people about which one really interests them before they sit for the SI drive for core, and they tend to worry about preparation and also career in the said field, in the long run. The company offers flexibility to choose and switch between the fields to explore what you'd want and also has separate tests for the same. One could choose to give only analog, only digital or both mixed test.

Name: Ayush Nigam
CGPA: 9.1
Role: Analog Engineering Intern
Mode of Offer: Off-Campus

What kind of questions were asked in each round?

Starting with the basic questions like RC circuits, their responses to different types of inputs, and then a bit of questions based on Op-Amps were asked. Certain questions related to control systems(stability analysis through different methods, Fourier analysis ,Bode Plots) were even included. The knowledge of different MOSFET amplifier configurations was also tested.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Courses such as Microelectronics Circuits (MEC), Control Systems (ConSys), Signals and Systems (SnS), and Electronic Devices (ED) (covering basics like equations and semiconductors) were particularly useful.

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

I had just a day to prepare, so I reviewed materials from previous semesters and practiced questions from textbooks and online resources.

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

Critical topics included:

- Basic circuit analysis
- Applications and differences between transistors (BJT and MOSFET)
- Fundamentals of Op-Amps
- Stability and frequency analysis of circuits, including complex configurations formed from basic components.

Name: Manjira Roychowdhury
CGPA: 8.48
Role: Analog engineering intern
Mode of offer: On-Campus

What kind of questions were asked in each round?

For selection in the WiSH Programme the test consisted of basic electronics knowledge (Electronic Devices, Digital Design) and basic JEE physics and mathematics. The interview round was mostly a discussion on the projects on your resume and interest to pursue a career in this field. Some technical questions regarding the subjects you are studying were also asked, along with the specifics of what the company specialises in as well.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Electrical Sciences, Electronic Devices, Digital Design and a little bit of Analog Electronics and Analog and Digital VLSI Design would be helpful.

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

The form for the WiSH programme came out in end of March, so there was not enough time to prepare. I revised whatever ED and DD concepts I had done last semester along with the current subjects in that semester (SnS, MEC, ConSys). I looked at some previous year GATE questions for practice. As for the mentorship, the people and mentors at TI are more than helpful in guiding you, and you just need to be up to date with whatever they are teaching and practice similar problems to improve skills

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

Presentation skills were very important, along with strong concepts in basic electrical sciences, circuit analysis, digital design and finite state machines.

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

I had mainly worked on 2 robotics project that were mentioned in my resume, on which I was questioned during the interview. Along with that I was working on an

interdisciplinary project involving bio-sensing electronics which was also of interest during the interview.

Sources to help in preparations

Course Textbooks, NPTEL courses and ECE GATE Questions(if necessary).

Your suggestions to someone preparing to appear in this company?

TI offers roles in both Digital and Analog domains. Both of these have their own interesting aspects, confusing people about which one really interests them before they sit for the SI drive for core, and they tend to worry about preparation and also career in the said field, in the long run. The company offers flexibility to choose and switch between the fields to explore what you'd want and also has separate tests for the same. One could choose to give only analog, only digital or both mixed test.

Name: Vasudevan Pillai A
CGPA: 8.01
Role: Analog engineering intern
Mode of offer: On-Campus

What kind of questions were asked in each round?

- **Written Test:** Covered topics like Power Transfer Theorem, Network Theorems, Electronic Devices (ED), Microelectronics Circuits (MEC), Digital Design (DD).

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Courses such as Microelectronics Circuits, Digital Design, Signals and Systems (SNS), Control Systems (ConSys), and Microprocessor and Interfacing (MPI) were particularly helpful.

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

I started serious preparation about 2-3 weeks before the Written Test. I focused on revising essential topics such as Opamp basics, Basic Circuits (LPF, HPF), and Current Mirrors.

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

Critical topics included understanding Opamp basics, Basic Circuit configurations like Low Pass Filter (LPF) and High Pass Filter (HPF), and Current Mirrors.

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

I did not have specific Analog projects, but focusing on understanding core concepts was crucial.

Sources to help in preparations

I found course-prescribed books and solving GATE questions along with problems from textbooks to be sufficient for preparation.

Name: Siddarth Annamaneni
CGPA:8.1
Role: Digital Engineering Intern
Mode of offer: On campus

What kind of questions were asked in each round?

- **Written Test:** Primarily focused on Digital Design (DD) and Microprocessor and Interfacing (MPI).
- **Interview:** Covered topics from DD and MPI.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Courses such as Digital Design (DD) and Microprocessor and Interfacing (MPI) were particularly helpful.

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

I started serious preparation about 2-3 weeks before the test by revising key topics in DD and MPI.

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

Flip-flops, Counters, Finite State Machines (FSM), and other Digital Design concepts.

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

Although robotics projects were undertaken, they did not significantly contribute to the selection process.

Sources to help in preparations

I used resources such as GATE questions and aptitude tests to prepare.

Your suggestions to someone preparing to appear in this company?

Focus on mastering the basics well, as the test primarily consists of foundational questions. Ensure a strong grasp of DD and MPI concepts.

Name: Vasu Bhadja
CGPA:9
Role:SDE intern
Mode of offer: On campus

What kind of questions were asked in each round?

Round 1 (OA Round):
A MCQ test was conducted at the computer lab. The MCQ test consisted of questions from topics like CS fundamentals, DSA, OOPS, DBMS, Mental Ability, and Reasoning.

Round-2 (Online Interview Round):
The interview lasted for almost 50 minutes.
The first question was on DSA, it was a question based on Greedy Approach. It was a simple question and could be easily solved if you had practiced enough Leetcode questions as it was a slight variation of one of the Leetcode Medium question. The follow-up question on the same was based on the DP approach. This one was also a variation of the Leetcode Medium Question. I was asked to share my screen and code up the solution along with explaining it.
The second question was based on simple SQL queries. If you have done the DBMS course well then you don't need to prepare more than that. Just go through the interview sheet of Striver one day prior to the interview.
The third question was based on the project I had on Web Development. The interviewer first asked me some theoretical questions like the difference between the Post and Put request and stuff like that. Then he asked me to code some functionality I had implemented on my website.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
DSA, OOPS, DBMS, CP

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

When I was in my 2-1, I had no experience in coding at all. I had just done the CP course as a part of CDC. So I started preparing lightly from 2-1 itself. First I resorted to YouTube Playlists, but it did not add much value as it was unstructured learning. So then I bought the Coding Ninjas Course of DSA in C++. It helped me structure my

preparation. By mid of 2-2, I had completed the course so I switched to doing Leetcode Questions along with following the DSA Sheets of Neetcode and Striver. I got serious during the summer break of PS-1. There was not a lot of work in PS-1, so I devoted most of my extra time to doing Leetcode questions daily.

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

A very good grasp of DSA, OOPS, DBMS, light knowledge about Development, and good communication skills.

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

1. Normal CDC projects like OOPS, and DBMS. I had put the DBMS project on my resume as it was a good one.
2. MERN Stack Web App.
3. A ML project done as a part of my PS-1 in Reliance Jio Platforms.

Sources to help in preparations

Course of Coding Ninjas: To prepare the basics of DSA.
Takeuforward on YouTube : For trees and graphs
Aditya Verma on YouTube : For dynamic programming, binary search and heaps.
Striver DSA Sheet and Neetcode150 sheet: To get topic-wise questions to be practiced on Leetcode.

Your suggestions to someone preparing to appear in this company?

1. Solve as many DSA problems as possible as it increases the chances of getting a similar problem in interviews.
2. Put only those projects on your CV with which you are comfortable. As the interviewer might go deep into anything that you have put up in your CV.
3. OOPS and DBMS are very important. These are the only 2 CDCs with which you should be proficient.
4. Try to develop good communication skills by participating the club activities. I have seen people being proficient in coding but not getting selected just because they were nervous and under-confident during their interview.

Name: Jaideep Ramesh
CGPA:8.41
Role: Digital Engineer Intern
Mode of offer: On Campus

What kind of questions were asked in each round?

1st Round: Technical Test(MCQ)

The test was divided into three sections: Analog,
Digital, and Aptitude. (this was because i chose to apply to two roles, note that marks in each section are independent of one another)
Digital involved majorly digital design-based questions, and a few questions based on: mpi, STA, C programming, rc-rl circuits

2nd Round: Technical Interview
My interview went on for around an hour. It began with a few mpi questions, followed by combinational and sequential DD questions, and then Verilog questions. It ended with a puzzle question.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
dd, mpi, c programming, electrical sciences

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

Although I did begin preparing quite early, I wasn't very consistent. I took it seriously when the job profile announcement happened, which was around 3 days before the written round. I refreshed my basics and went through gate pyqs.
I started my prep initially by following lecture slides, lecture recordings, past written notes, online courses, previously asked interview or written round questions, gate pyqs.

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

logic gates, mux, flip flops, latches, STA, FSM, SOP & POS, k-map, counters, frequency dividers, Verilog, c programming, 8086 architecture, 8086 and memory interfacing,
assembly language, rc-rl circuit, RAM & ROM

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

I did an informal project that involved acetone voc sensing and tmd sensor fabrication, pdms fabrication for flexible electronics applications. I also mentioned my PS1 project which was related to technologies used in Industry 4.0. The project was rather research-oriented. My interviewer only enquired about my informal project. These projects didn't necessarily have any bearing on my selection, but it does give you an opportunity to interact with the interviewer apart from technical questions.

Sources to help in preparations

for STA:
https://www.vlsi-expert.com/2011/05/example-of-setup-and-hold-time-static.html

For aptitude:
https://www.indiabix.com

Gate pyqs:
https://practicepaper.in/gate-ec

digital design:
morris mano textbook and lecture slides

8086 microprocessors:
LYLA.B.DAS X86 MICROPROCESSORS textbook and lecture slides

verilog and vhdl:
https://www.coursera.org/learn/fpga-hardware-description-languages?specialization=fpga-design ~(I personally found this quite useful, but depends on one's time constraints)
http://www.asic-world.com/verilog/index.html

ADVD:

https://www.youtube.com/watch?v=57uTCtSQV50&list=PLHO2NKv71TvsSqYwVvUCZwNkY-jUyUHdS ~ (subject to one's time constraints)
lecture recordings

Your suggestions to someone preparing to appear in this company?

Keep explaining how you are tackling the question to your interviewer this could be the steps involved also, let them know when you are making assumptions while solving, and ask them if they have corresponding specifications pertaining to questions(for example asynch or synch reset). Don't give up on any question they might ask during the interview instead you can try asking for hints or leads. Ensure your basics of digital design are absolutely clear.

TWILIO

ELIGIBILITY: B.E - CSE,ECE,EEE,ENI
CGPA CUT-OFF: 7+
ROLES: Software Development/Software Engineer Intern
Selects: 3
Selection Rounds : 3
STIPEND: 1,06,750/1,01,250

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India
Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Raghav Sarda
CGPA: 8.7
Roles:SDE Intern
Mode of offer: On Campus

What kind of questions were asked in each round?
Test round : It consisted of 2 DSA questions which were of easy to medium difficulty which were allotted an hour. The first one was based on Arrays and Math and the second one was a variant of Interval Scheduling. Selection was based mostly on time taken for completion of both questions and test cases passed. A total of 8 students were selected for the Interview process

Technical round : I was asked only a single DSA question, which was a complex version of one of the questions on Arrays given in another set of the Online Assessment. I was asked to explain both the naive and optimised solution and then implement the optimised solution on a C++ online IDE. The interviewer was very helpful during the round and would help out with edge cases and doubts when asked. I was also asked about my projects briefly after solving the above question.

HR round : It started off as an informal and friendly round, with the interviewer giving their introduction first followed by mine, which included my hobbies, projects and academics. After this, I was given a series of around 5-6 hypothetical work-based scenarios to which I had to give 2-3 approaches on how I would tackle them. He then asked me if I had any questions for him towards the end. I asked him about the projects he worked on and his experience in Twilio, both of which he answered enthusiastically.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

DSA : I feel like this is the most important and useful course in preparation for both OAs and interviews for SIs. The weekly lab sheets and algorithms taught in the course were very helpful as a good introduction to DSA solving.

OOPs and DBMS : These courses are helpful from a theoretical point of view and projects. It can be used in order to explain the projects which were done as assignments for the courses and can be mentioned in your resume too.

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

My first introduction to DSA was through the DSA course and its lab sheets itself. However, I seriously started preparing after the initial companies came for SIs and I wasn't able to perform very well in them. Learning and forming a good base in DSA and then practicing speed and my weaker areas (such as DP) is how I went about my preparation.

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

Apart from the technical skills mentioned above, being consistent in practicing LeetCode(or any platform of your choice) questions along with not losing motivation through the numerous OAs and rejects is essential. Speed is of importance as well as some OAs might be easy enough for most people to get, but only the fastest are selected for the next rounds.

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

PS1(Query Auto Completion) and projects from the courses of DBMS, OOPs. Questions might be asked regarding the working and execution of above projects so be ready for it.

Your suggestions to someone preparing to appear in this company?

Read up Twilio's Magic values and prepare 2-3 questions for the interviewer for the HR round as they particularly look for it.

Name: Vamsi Krishna Gattupalli
CGPA:9.17
Role: Software Engineer Intern
Mode of offer: On Campus

What kind of questions were asked in each round?

- OA
Online Assessment consisted of 2 DSA questions and the duration was 90 minutes. Both were array-based questions, one being LeetCode easy-medium and other being a LeetCode medium-hard. Since quite a few students were able to solve the questions, we were selected based on the time of completion. I completed the questions in 60 minutes and submitted, while some others who solved both but submitted after 90 minutes did not get qualified for the next round.

For all those who qualified, there were 2 interview rounds irrespective of whether we did well in the first one.

- Interview 1 (Technical):
The interview was 45 minutes in duration. I was asked a DSA question which is on the same line as the medium-hard question which was given in the OA. Initially I explained the brute-force algorithm for the same and wanted to implement the optimal approach, but the interviewer asked me code up the brute force solution since I already got one solution. I started its implementation and realized it was way too bruteforce to implement easily. So, I informed the interviewer I can explain and implement the optimal approach in the remaining 20 minutes. He asked me to go ahead if I was confident. I was confident and did the optimal approach, he was pretty impressed by the way I was able to quickly switch over to another solution and implement it without errors.

He then asked me to explain any one project from my resume. I didn't have any great personal projects; loss. So, I picked my DBMS course project and explained. Although I felt like he expected a more interesting project, overall, he was positive about the interview.

- Interview 2 (HR):
This interview was also meant to be 45 minutes in duration. I was asked around 7-10 generic HR interview questions. I tried to incorporate their Twilio Magic values in every answer so much so that I overdid it and she asked if I glanced over them before the interview ;). She concluded the interview in 30 minutes and I asked her a few questions about the company before leaving.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?

Only DSA

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

I started doing LeetCode in my 2-2 while doing DSA course. I picked a lite company for PS-I hoping I'll do my preparation for SI, but boy was I horribly wrong about it. Neither did I work for the PS-I station because it was lite nor did I prepare for SI. I properly started doing LeetCode during the 10 day break between end of PS-I and Day-0 SI companies. I would suggest you to start doing LeetCode as soon as possible. Most of the questions that are asked are along the lines of those in LeetCode. Only a few companies like Uber, DE Shaw and Google ask CodeForces Div 2 C, D type questions in their OAs/Interviews. Most other companies ask relatively simpler questions. Also, a general pattern that I observed is that OA questions are much more difficult than the ones asked in interviews

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

DSA and you should be able to properly explain your thought process while solving questions to the interviewers.

UBER

Eligibility: B.E. ALL
CGPA Cut-off: N.A.
Roles: Software Engineering Intern
Selects: 2
Selection Rounds: 4
Stipend: 1,77,000

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Prachi Shah
CGPA: 8.47
Role: Software Engineering Intern

What were the eligibility criteria?
None.

How many rounds were there? (Test/ Interview)
4 rounds.

What kind of questions were asked in each round?
1st Round Online Assessment:
3 questions were given to be solved in 1 hour.

2nd Round:
It was an in-person interview round where I was asked one moderately difficult DP question. After discussing brute force approach and then optimizing using tabulation, the entire code was written and I also dry ran an example. In the remaining time, was asked to optimize space and time further.

3rd Round:
This in-person interview consisted of testing my OOPS concepts through solving a low-level design question. Arriving on a good implementation and trying to incorporate the OOPS concepts was crucial, after finalizing the design remaining time was used to code up the functionalities discussed.
4th Round: The last round was an HR round consisting of general discussion about my academics, projects and various other things.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOPS and DSA.

When did you start seriously preparing? How did you go about it?
Apart from sincerely pursuing coursework in the 2nd year, I tried to get comfortable with basic coding/DSA practice in 2-2. Targeted preparation for internship was started during the break and PS1 after 2-2. I started with graphs and DP initially since pursuing

them at last would mean less time for grasping it, and in between switched between medium questions of different topics regularly. I made a conscious effort to ensure that questions solved through unknown/new/different methods were revised at intervals.

What were some critical topics/skills essential for the process

Having clear and strong OOPS and DSA fundamentals is absolutely necessary. It is what will help one to deal with any question in the interview environment. Your approach to the problem is what they look for more than the actual solution, especially in the design part.

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Name: Rohan Garg
CGPA: 8.08
Role: Software Engineering Intern

What were the eligibility criteria?
None.

How many rounds were there? (Test/ Interview)
4 rounds.

What kind of questions were asked in each round?
Round 1: Online Coding
It was an online coding round on Code Signal. 60 minutes were given to solve 3 DSA problems. Candidates who completed at least two problems and passed the majority of the test cases in the third problem advanced to the second round.

Round 2: First Technical Interview
A DSA problem based on Dynamic Programming was asked. I explained my thought process to the interviewers. After approving my approach, they sent me a link to an online IDE to implement it in any language of my choice. They kept asking me to explain the code and the solution's time and space complexity.

Round 3: Second Technical Interview
I was asked to create a system that would resemble facebook; the task was very similar to
https://leetcode.com/discuss/interview-question/system-design/719253/design-facebook-system-design-interview

Round 4: HR interview
In this round I was asked basic HR questions on my strengths and weaknesses and why I want to join Uber. Also my project was discussed in detail.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
1. Data Structures and Algorithms
2. Object Oriented Programming

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

I did competitive programming in my first year. Toward the end of my 2-2 and during PS-1, I practiced problems on Leetcode. For DSA practice, CSES was great. I read up on Uber interviews on GeeksForGeeks and YouTube.

What were some critical topics/skills essential for the process

1. DSA
2. OOPs

Sources to help in preparations

1. Codeforces
2. GFG
3. Leetcode

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in

Walmart (Walmart Global Tech)

Eligibility: B.E
CGPA Cut-off: 7
Roles: SDE Intern
Selects: 2
Selection Rounds: 3
Stipend: 1,10,000

Name: Chinmay Bidarkar
CGPA: 7.9
Role: SDE Intern

Eligibility Criteria:
CGPA : 7

Recruitment Procedure:
3 Rounds.

What kind of questions were asked in each round?
Round 1: 25 MCQ questions within 25 minutes. Most questions were based on OOPS, DBMS , DSA and a bit of ML.

Round 2: Coding Round I : 2 questions were given , first was easy to medium level (linked list) and second one was medium (Priority queue).

Round 3: Coding Round II : 2 questions were given , both were medium level one from Linked list and second a mixture of greedy and arrays.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
OOPS , DBMS ,DSA , ML

When did you seriously start preparing?
3rd year sem I.

Topics/ Skills essential/ recommended for selection:
Graphs , DP , Greedy , Linked List

Sources that helped in preparation:
Leetcode , GeeksforGeeks

Name: Nikhil Krishna Ravuri
CGPA: 7.92
Role: SDE Intern

Eligibility Criteria:
CGPA Cutoff:7

Recruitment Procedure:
Total 3 rounds. One MCQ round and Two Coding rounds

What kind of questions were asked in each round?
1st Round- 25 MCQs- Had questions related to basic OOPS concepts, as well as some basic DSA questions like prefix and postfix.

What CDCs or Elective Courses were helpful in preparation for tests or interviews?
FDSA and DBMS

When did you seriously start preparing?
I started learning the basics of DSA after my first year by watching YouTube videos. Practiced occasionally during the second year. I started preparing seriously during my PS-1, giving CodeChef contests, and solving LeetCode problems. Started Striver's SDE sheet in my third year and started solving it.

Topics/ Skills essential/ recommended for selection:
Dynamic Programming was one of the most frequently asked topics. Topics like Sliding Window and Greedy were also frequently asked.

Sources that helped in preparation:
LeetCode
Strivers
Freecodecamp, Geeks for Geeks

Birla Institute of Technology & Science, Pilani
Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal
Hyderabad 500078, Andhra Pradesh, India

Tel: +91 40 6630 3999
Fax: +91 40 6630 3998
Web: www.hyderabad.bits-pilani.ac.in