

Round 2: Interview

- Technical Round
- Managerial Round
- HR Round

A. Technical Round:- In this round, basic coding questions are asked. Some questions on computer science subjects such as DBMS, OS, CN and OOPS can also be asked. Also, you can prepare for language-specific questions that you have mentioned in the resume.

Our Questions

1. Introduce yourself.
2. Why did you choose to transition from a diploma in Civil Engineering to pursuing Computer Science in your B.Tech program?
3. What is sharding in MongoDB?
4. Write code to create a server in Express.js.
5. Guess the output of the given Java code.
6. What could be the issue if a website displays the login page every minute?
7. What is WDLC (Web Development Life Cycle)?
8. What is an event loop in programming?
9. Briefly discuss your project.
10. What technologies were used in your project?
11. Explain SQL joins and their purpose.
12. Provide examples of SQL tables and the output for each type of join.
13. What are the different types of DBMS?
14. Elaborate on the network, hierarchical, and relational database models.
15. Write an SQL query to update attendance.
16. Write an SQL query to insert values into a table.

17. Explain the use of the NULL keyword in SQL.
18. Draw Venn diagrams for each SQL join type.
19. Questions about internships mentioned in your resume.
20. Briefly describe certifications listed in your resume.
21. Solve a simple DSA problem: Reverse a string using three methods.
22. How would you fetch an API? Provide the code.
23. Write React code for using props.
24. Explain React Hooks and their usage.
25. What is the function of the slice method in JavaScript?
26. What are the port numbers for HTTP and HTTPS?
27. What are the different types of networks? Define them.
28. What is cloud computing, and what are its types? Define each type.
29. Explain polymorphism and its types with examples.
30. What type of cloud service is Google Drive? Explain your reasoning.
31. How can you fetch the 3rd highest salary in a database using two methods?
32. Given two tables, how would you fetch the names of people based on their cities?
33. Explain SQL joins and provide their code examples.

B. Managerial Round:- This round can have both technical or HR-based questions regarding past internship experience, resume projects, teamwork, etc.

Our Questions

1. What is Machine Learning (ML)?
2. Have you completed any certifications in emerging technologies?
3. Explain your project and how you implemented ML in it.

4. Cross-questions about your project.
5. How do you validate data in an API?
6. How did you check cryptocurrency data in your project?
7. How do you upload a project to GitHub?
8. Briefly describe your family background.

C. HR Questions:- This is an average HR round and contains behavioral questions and they discuss with you the compensation. They basically analyze your confidence, communication and leadership quality and check whether or not you are telling any lies.

Our Questions

1. Have you read the declaration form?
2. Sign on a blank paper.
3. Are you comfortable with relocation?
4. Tell me, who is the father of IT?
5. If you are working in a team of 9 people, and the client wants the work completed on the decided date, but two teammates fall sick before the deadline, what would you do in this situation?
6. How does your Civil Engineering background help in Computer Science?
7. Will you go for higher education?
8. If offered by multiple companies, which one will you choose and why?
9. TCS's current technologies.
10. Can you work in all shifts?
11. Role of leaders.

Possible Job roles you can get after clearing TCS NQT

Aspirant	Possible Job Roles	Degree & Salary Range	Cut-Off for Interview
Ninja Aspirants	<ul style="list-style-type: none">• Software Tester• Java/Python Developer• Web Developer	<ul style="list-style-type: none">• UG: INR 3.3 lakh• PG: INR 3.6 lakh	<ul style="list-style-type: none">• Top 20% scorers (74-94 percentile)• in TCS NQT (Part A+B) shortlisted• for an interview in this category
Digital Aspirants	<ul style="list-style-type: none">• Full Stack Developer• Web Developer• Backend Developer• Salesforce• SAP	<ul style="list-style-type: none">• UG: INR 7.0 lakh• PG: INR 7.3 lakh	<ul style="list-style-type: none">• Top 5% scorers (94-99 percentile)• in TCS NQT (Part A+B) shortlisted• for an interview in this category
Prime Aspirants	<ul style="list-style-type: none">• ML Engineer• Gen AI Engineer• Cyber Security• Business Intelligence• Data Scientist	<ul style="list-style-type: none">• UG: INR 9.0 lakh• PG: INR 11.5 lakh	<ul style="list-style-type: none">• Top 1% scorers (99-100 percentile)• in TCS NQT (Part A+B) shortlisted• for an interview in this category

Do's and Don'ts for Interview Preparation

Do's

1. For Technical Rounds

- Revise core concepts in SQL joins, ReactJS, JavaScript, and DSA topics like reversing strings and fetching APIs.
- Practice coding tasks such as creating a server in Express.js, writing SQL queries, and React Hooks usage.
- Be ready to explain your projects, focusing on their technologies, implementation, and any challenges faced.
- Brush up on MongoDB concepts, including sharding, and understand its practical applications.

- Ensure you're familiar with polymorphism, cloud computing, and network types, as these are frequently discussed.
- If you are coming from any other domain then revise your fundamental subjects and focus on your preferable development and on your resume.

2. For Managerial Rounds

- Highlight your problem-solving skills, such as managing a team when two members fall sick or validating API data.
- Be prepared to explain how you implemented Machine Learning in your projects, especially for sentiment analysis or recommendation systems.
- Discuss your certifications in emerging technologies, focusing on their relevance to the job role.
- Present your family background confidently but succinctly.
- Try to calm because they try to make you uncomfortable with some difficult and tricky questions.

3. For HR Rounds

- Show enthusiasm for relocation and shift flexibility, as it demonstrates adaptability.
- Be genuine about your higher education plans and preferences when choosing between companies.
- Emphasize how your background complements your current knowledge in Computer Science.
- Exhibit leadership skills by describing situations where you effectively handled team challenges.

4. General Preparation

- Research TCS's current technologies and trends (e.g., AI, ML, cloud computing) to align your answers with their priorities.

- Understand the role of a leader and how you can contribute to team success.
- Practice answers for common HR questions, such as “Who is considered the father of IT?”

Don'ts

1. For Technical Rounds

- Don't memorize solutions without understanding the logic, especially for coding tasks.
- Avoid ambiguous answers when discussing projects; be specific about the technologies and your role.
- Don't overlook basic questions like port numbers for HTTP/HTTPS or the function of slice in JavaScript.
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2. For Managerial Rounds

- Don't claim certifications or skills you haven't mastered; authenticity is crucial.
- Avoid overcomplicating explanations about projects; keep them concise and clear.
- Don't be unprepared for cross-questions about your resume, particularly internships and certifications.
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3. For HR Rounds

- Don't give inconsistent answers regarding relocation or work shifts; this may raise doubts about your flexibility.
- Avoid dismissing your background; instead, connect it with your current role.
- Don't respond ambiguously when asked about leadership; share specific examples to demonstrate your ability.

4. General Preparation

- Don't leave answers incomplete; ensure clarity and confidence in every response.
- Avoid repeating points during the interview; keep your responses structured and precise.
- Don't skip researching the company and its current focus areas; it shows your interest and dedication.