
DJ Codestars - Complete Guide towards Tech Interviews!

What do technical interviews look like?

Technical Interviews generally involve a candidate solving some algorithmic questions and giving an optimal solution to it.

What do they look for?

- Problem Solving Skills
- Time Management
- Algorithmic Skills
- Computer Science Fundamentals
- Ability to communicate/collaborate ideas

What to Prepare ?

- Data Structures and Algorithms - DSA (Most Important)
- DOCO (DBMS, OS, Computer Networks, Object Oriented Programming)
- System Design
- May involve discussion about projects/internships

How to prepare for DSA

Starters/Revision :

- Any reference book used in college (Avoid CLRS)
- YouTube Channel:
 - [Abdul Bari](#)
 - [mycodeschool](#)
- Text Resources :
 - [GFG](#)
 - [Hackerearth](#)

How to prepare for DSA

Where to solve from ?

1. Websites:

- [Must do coding questions from GFG](#)
- [takeUForward SDE Sheet](#)
- [Leetcode](#) ([LintCode](#))
- [Interviewbit](#)
- [BinarySearch.com](#)

2. YouTube Channels

- [takeUForward](#)
- [Tech Dose](#)
- [Aditya Verma](#)

3. DJ Codestars : FAANG Interview Series

How to prepare for DOCO

- Resources
 - GFG SDE Theory Course
 - YouTube Channels ([Gate Smashers](#), [Knowledge Gate](#))
 - Techmax
- Subject wise important content
 - **DBMS**
 - Normalization, ACID, Queries (Practice on [Hackerrank](#), [LintCode](#))
 - **Oops**
 - 4 pillars of OOPs in detail
 - **CN**
 - OSI Model, HTTP, TCP, IP
 - **OS**
 - Virtual Memory, Paging, Process Synchronization, Deadlock, Multithreading

How to Prepare for System Design

Two Types:

High Level Design

- [Gaurav Design](#) (YT Channel)
- [System Design Primer](#) (Book on GitHub)
- Grokking System Design Educative.io

Low Level Design

- [Soumyajit Bhattachary](#) (YT Channel)
- Head First Design Patterns

How to Prepare to ace project/internship discussions

- Be well versed with all the content about your projects/internships
- Prepare 5-10 min rough content about each project/internship

Be prepared with answers for questions like :

- Talk about your favourite projects
- What are the challenges you faced during your project/internship?
- Why did you use some xyz tech stack?
- How will you implement some xyz feature?

Off-Campus

- Build connections on LinkedIn
- Apply through referrals
- Cold Emailing Company Hr/Managers
- [Hackerearth Hiring Contests](#)
- [Dare2Compete Hiring Contests](#)
- Follow youtube channels for updates ([Arsh Goyal](#))

General Tips/Mistakes

- Start preparing company specific questions ~1 week before company arrives.
- The placement process is very overwhelming.
- Don't let current interview failure decide anything, you will get many other opportunities!
- Avoid bluffing in interviews, if you don't know something be honest!
- Keep communicating with the interviewer, avoid long silences.
- Study about the company/business beforehand.
- Always ask questions at the end of the interview.

Personal Interview Experiences

- Rajat
 - MSCI
 - Accolite (off campus)
 - JPMC
 - privado.ai (off campus)
- Yash
 - MSCI
 - Accolite
 - Cimpres
 - Google (off campus)
 - iRageCapital (HFT)

Thank You!

Feel free to ask any questions!!