

DSA

Problems:

<https://www.interviewbit.com/>

<https://takeuforward.org/strivers-a2z-dsa-course/strivers-a2z-dsa-course-sheet-2/>

<https://cses.fi/problemset/>

Books/Online Reading:

<https://cses.fi/book/book.pdf>

<https://cp-algorithms.com/>

Video Playlist:

https://www.youtube.com/playlist?list=PLqUwDviBIf0oF6QL8m22w1hIDC1vJ_BHz

- > Once you've figured out your strong topics, find harder problems on Codeforces / Codechef / Leetcode, and time yourself while solving them
- > Obviously, contests dete rehna :)

CPP & OOPs

Books/Online Reading:

<https://www.learncpp.com/>

Video Playlist:

https://www.youtube.com/playlist?list=PLu0W_9IIl9agpFUAlPFe_VNSIXW5uE0YL

OS, DBMS, CN

Books/Online Reading/Video Playlist:

OS: <https://pages.cs.wisc.edu/~remzi/OSTEP/#book-chapters>

DBMS: <https://ocw.mit.edu/courses/6-830-database-systems-fall-2010/pages/lecture-notes/>

<https://drive.google.com/file/d/1muq8BJHLSVJG8d5e8QYwo4LTIAVW-J5v/view?usp=sharing>

CN: <https://www.youtube.com/playlist?list=PLihvC56v63IKrRHh3gvZZBAGvsOhwrRF>

<https://www.geeksforgeeks.org/computer-networks/last-minute-notes-computer-network/>

Quant & Prob Stats

Books/Online Reading:

<https://brainstellar.com/>

https://mbapreponline.wordpress.com/wp-content/uploads/2013/07/fifty_challenging_problems_in_2.pdf

<https://github.com/dwcoder/QuantitativePrimer>

System Design

Books/Online Reading/Video Lectures:

https://drive.google.com/file/d/1mwnj2Y0fpc_Zfsp1xh0R2dmWNb5IDUr-/view?usp=sharing

<https://www.youtube.com/playlist?list=PLsdq-3Z1EPT36NJXTutvKcretuHCr9a->

Resume Building



General Resume Guidelines

- Try to keep it to **1 page**.
(Not a hard rule, but preferred for clarity and conciseness.)
- **Tailor your resume** for each role:
 - Highlight relevant projects, skills, and achievements
 - Create **multiple versions** based on target roles (e.g., SDE, AI/ML, Quant)



Projects Section

- Use a **3-line format** for each project:
 1. **Brief description** of the project
 2. **Your specific contribution**
 3. **Tech stack** used
- Preferable your projects should have includes:
 - 1 large-scale project : for Sys Dez Ques
 - 1 AI/ML project : Coz it stands out as you evolving with industry
 - 1 project in each tech stack you're comfortable with : (React Django/Flutter) if your interviewer is an expert, you can have meaningful conversations



Achievements / Hackathons

- Follow this format:

<Position> – <Hackathon Name>, <Organizer> | [Optional: mention scale, e.g., “Nationwide / 10K+ participants”]



Positions of Responsibility (PoR)

- Keep PoR descriptions **brief and impactful** : These can't be changed during placements and it gets hard to keep a 1 page resume then



References

- Include **2 references**:

1. One prof
2. One industry guy you might have interned with

Example Resumes:

SDE

@orange -

https://channeli.in/media/placement_and_internship/resumes/f89689bcc8b22107765dbc70906bc90.pdf

DS

@orange -

https://channeli.in/media/placement_and_internship/resumes/3742749aed5f02230443a27b39a2acf1.pdf

SDE

@nikhil

Offcampus

https://drive.google.com/file/d/1Egl3zap5yVjodHKdXgnaY_b9ngBh_0z1/view - this does not have phone number because it is publicly available but resume you submit to job application must have mobile number

Offcampus Tips (nikhil)

- Do not apply to random job posts or linkedin jobs
- First finalize the type of company that excites you and what type of culture is more favourable to you. Do you want to go for work-life balance or challenging environment that we find in early stage startups
- List down the qualities that you prefer in the company
- Now first prepare the resume, a portfolio website and a linkedin profile

- Create account on all major platform like wellfound, weworkatstartup, instahyre, glassdoor
- Now apply the filters related to company size and location
- Prefer company based out of india or have office in india
- Company not having office in india and operating remotely have very less chance
- You can also put experience one year or two year if looking for 100-200 size company because they many time open to offer intern initially
- Create a account on glassdor and look for reviews for people working there. U may change your decision after looking to reviews :) This is normal. Make sure to go for latest reviews.
- Now once you find the company on this platform, google the <company> and go to its official website and search for its career page. Many company have profile on tons of website but the way to apply on official website will attract quick responses
- Now after applying there, the second step will be to search for site:linkedin.com/in/ <company> hr or talent acquisition and send them request for connection. Maintain a sheet to track whom you send request and also the customized message
- Don't forget to customize the template for each company separately. Mentioning that what excites you about the company can be beneficial
- Take your time to prepare the message template properly. However don't make it too technical keep it natural
- You can send message to multiple hr or talent acquirer
- However 90% of them won;t reply for sure actually 90% won't ever see your linekdin dm but you need to hustle a bit if you want to go to company u like.
- Go for one followup for all message without reply and if even after that they don;t reply let it go for now or message on some other medium
- You have to look for way to find more details about hr like signalhire, rocketreach. Many time they also put their email in their earlier job posts look for it.
- Extremely important to include your phone number in resume because hr prefer calling over mailing almost always
- Put Your location to city where u want to work i.e fake it like i put it as Bangalore
- You should really like the company, what they are doing and your fit to the company to make sure you grow there.
- Mostly interviews offcampus include - introductory call with hr, technical interviews (2/3) and one cultural fit round
- Have a look to job requirement for role you are applying and if you don't find any suitable role then also you can email the hr or talent people and show interest in company and ask for connecting to discuss how you can contribute to the company
- HR generally ask for preferred stipend so have a look to glssdoor earlier and say a number as u find correct or just mention to hr that i am open to discuss the stipend. Don't go too high above their standards otherwise they will ignore
- If company size is around 100-200 then search for that company engineering manager mostly they will goona take your interview. Look to their profile and see what technologies they are expert in

- For offcampus - cs fundamentals, system design are extremely important and medium level type question 1 or 2 question
- Like you won;t get much time when you go into job hunting mode so make sure to prepare to your best before that
- Most company generally don;t have intern opening but u can always ask them to offer intern
- Maintaining a sheet is really helpful to track who has responded and who to ask for followup