

# Placement Prep

## Rough Flow for the session

1. Satvik Ramaprasad - SDE Role
2. Atibhi Agarwal - SDE Role
3. Soumya - SDE Role
4. Aditya - SDE from a DS Background
5. Sonal - DS Role
6. Biswesh - Industry Research Role
7. Answering some common questions
8. Open to other questions
- 9. 5 minute Break**
10. Arushi - Network roles
11. Sushma - Embedded Systems Roles
12. Nishant - Embedded Systems Roles
13. Rishikesh - VLSI Roles
14. Answering some common questions
15. Open to other questions

# SDE & DS Roles

# Placements 101?

By Satvik Ramaprasad

# SDE Profile

1. DSA (90%)
2. Operating Systems
3. DBMS
4. Networking (basics)

Start DSA now, 1 month is enough for everything else

# DSA Preparation

1. Learn one language properly
2. Refresh knowledge in DSA (Murali's course is enough) (10%)
3. Get familiar with container libraries. e.g. STL in C++
4. Practice! (70%)
  - a. Stick to one platform. Leetcode is recommended
  - b. 300-400 problems minimum
  - c. Focus on medium problems
  - d. Important topics - Arrays, Binary Search, Sliding Window, Line Sweep, Graphs, Trees, Greedy, Dynamic Programming
5. Mock Interviews (20%)

<https://satviksr.medium.com/how-and-why-i-did-over-1000-leetcode-problems-b236a3f887c9>

# Mock Interviews

Pramp.com and Interviewbit for peer mock interviews.

Why is it important?

1. Often explaining solution in an elegant manner is not easy
2. Writing code on Whiteboard/Google docs is not easy
3. Thinking aloud is not easy

Don't wait for interview to do mock interviews!

# Atibhi Agarwal - SDE Roles





# Atibhi's Learnings From Placement Season

- Non-CS to CS.
- Applying off-campus.[Maximizing your chances]
- Difference in interviews on-campus vs off-campus.[Expectations]
- Should you keep trying after you get one offer ? [Ambition]
- Mental Health.

# Soumya - SDE Roles



# Aditya - SDE from a DS Background



# Sonal - DS Role



# Biswesh - Industry Research



# Research Fellowship/Engineer Roles

- Opportunities are less compared to SDE jobs
- Resume Matters!!!
- Having a paper published would give you an advantage
- Interviews depend heavily on the interviewers

# Common Questions



Some MUST DO things while preparing!

1. Any specific way to practise coding? Templates, etc
2. Most important subjects?
3. How to handle stress?



What are the different possibilities to get a job? And your thoughts on these.

1. 4th Year Intern then PPO
2. 5th Year Intern and then PPO
3. 5th Year Placement Offer

Should you intern at a company in 4th Year even if you don't want to convert it to FT in 5th year?

How can someone with a non cp background prepare for the coding rounds?

If we don't get an on campus offer, how do we prepare for off-campus offers?

- How tough is it to get an off campus role?
- How different is the content to be covered?
- When should one start applying?

How important is the 4th Year Summer Intern?

How easy is it to score one?

What to do if you don't get one?

What if you don't get a job at your dream company? What should one do?

Do they ask questions on System Design in these interviews?

What kind of projects should one add to their resume?

Also skills, how good should you be at it before adding it to your resume?

Should there even be a skills column or should projects speak for your skills?



How can someone with a non cp background prepare for the coding rounds?

Any other questions?

# Networks, Embedded & VLSI Roles

# Arushi - Networks Role

Sushma - Embedded

Nishant - Embedded

Rishikesh - VLSI

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