Internship/Placements - Q n A

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Requirements for in-campus internship

Coding Round - A preparation guide

Resume - Do's and Don'ts

Company Background prep

HR and other f2f interviews

Closing Notes

Procedure for internship /placement at Cummins college?

- 1. Notice Board
- 2. Mail form
- 3. Well ahead of time, so be ready!
- 4. PPT

Very bespoke and subjective to each company!

- 5. Coding Round online / Online aptitude(quants, english, codes)
- 6. Technical f2f
- 7. HR / GD



- 1. CS50
- 2. College course and books!
- 3. Youtube
- 4. Free and self paced
- 5. MIT OCW
- 6. Codecademy
- 7. Datacamp
- 8. Udacity
- 9. Coursera

What if I am a Non CS student?

- l. No Barrier
- 2. Filter the companies
- 3. Practice practice
- 4. Additional Maths
- 5. Geeks for Geeks
- 6. Other Projects in coding than the ENTC
- 7. **IoT**

What Technical Skills are needed?

- l. Basic maths and logic
- 2. Problem Solving
- 3. DSA.
- 4. DBMS,OS,Networking skills
- 5. 3-4 years entire college curriculum
- 6. Bespoke to the company

What Language is Preferred?

- 1. Any and every!
- 2. Just be proficient in it
- 3. Personally, python or Java
- 4. Ask the recruiter and seniors
- Have a habit of using online coding environments like Hackerrank
- 6. Stick with one language, don't switch every other interview

Difficulty level of codes!

- 1. Generally speaking you can find medium to hard range problems
- 2. It is also dependent on the company
- 3. GFG Archives
- 4. Be prepared for everything!
- 5. Personally, we had only one medium range question but there were marks based on the test case and optimisation!
- 6. But companies don't follow the same process every year when it comes to coding rounds!

Personal Coding Recommendation?

- 1. CS50:p
- 2. C is a good starting point to learn
- 3. Shift to c++,java,python
- 4. Datacamp
- Competitive programming like Hackerrank, codechef, leetcode, codecademy!
- 6. Practice always, won't learn overnight!
- 7. Basic logic and understanding goes a long way! Irrespective of what language you code in:)

Do's and Don'ts while preparing!

- Don't solve the same question in every language!
- 2. Divide and Conquer.
- 3. Remember your sorting and searching algorithms
- If you solve a question and get it right,
 see how you can solve it in less time
 and space
- 5. Do not memorise the code:(
- Do not rush the learning, be thoughtful and understand the logic.
- 7. Maintain a repo on github and comment the code for a quick glance

How to prepare when you have less time in your hands!
How much time did I prepare for?

- Practice and practice the questions company wise on various sites
- 2. Quick brush through tracks
- 3. Read your complexity
- 4. Go thru important algos, data structure.

Resume - Do's and Don'ts

- Format provided by college. Make sure you have it prepared well in advanced.
- 2. If you are preparing in some other format KEEP IT PLAIN!
- 3. No more than One Page
- 4. Only relevant and important things
- 5. Make sure to highlight the important things
- 6. DO NOT LIE

Honesty is indeed the best policy!!!

Company Background Prep

- 1. Go to the websites About section
- 2. Different products/Services they provide
- 3. Different Divisions
- 4. Deep dive into something you like and would like to be a part of, but have a broad idea about everything
- 5. If it is a publicly traded company Stock Price
- 6. Trending News
- 7. Linkedin and know the CEO, founders!

What exactly companies looking for!

- I. Honest and Hardworking people
- 2. Sound problem solving skills
- 3. Communication
- 4. Networking skills
- 5. Teamwork
- 6. Diverse

Company HR can answer these better but this is a general overview!

Technical Interview Rounds

- Depending on the company there can be one or multiple technical rounds
- 2. Be prepared for coding questions and practice solving whiteboard coding questions
- 3. Make sure you have understood the question
- 4. Think but also think out loud
- 5. Explain the logic then work on writing the code

What type of questions can be asked?

- This is again a very subjective questions
- 2. It can have a range of questions from basic array manipulation to DP to how does a stack work and how can you convert stack to queue
- 3. Be prepared to explain the logic
- 4. This is a deep dive into your basic understanding

How to handle a situation in case you don't know an answer!

- 1. It is okay
- 2. No one can know everything, don't lose hope
- B. DONT LIE and be Overconfident
- 4. Don"t just say idk
- 5. Handle it with grace and acceptance
- 6. This is what I think the answer might be but i am a bit unsure, walk them through your thinking, you might be right?
- 7. If stuck as for input
- 8. Tell them I will make sure to look it up and move on.

Introduce Yourself

- 1. Wish I could say shake your Hands when you enter:P
- 2. Smile and greet them with your name, it's a pleasure to meet you!
- 3. Smile and be confident, keep eye contact
- Dress properly, first impressions go a long way. Stand up if you are seated.
- 5. Don't overdo your qualifications
- 6. Tell them something not on your resume!
- 7. Keep it small and concise, start with a hobby and a recent thing you did there and add then add your professional qualifications

Where do you see yourself in 5 years:P

- l. Don't overwhelm
- 2. If your goals align with the company's goals
- 3. Stating an MBA/MS?
- 4. Research the company and find out the hierarchy or a subject matter you would like to excel at!
- 5. Career path within the firm

Why should we hire you?

- 1. State your strenghts
- 2. How does your past experiences and projects help your goals and knowledge fit in well with the company?
- 3. You are good at what the company is doing and fit in well with their culture
- 4. How your goals align with the company and how can you contribute to make them better

Should I ask a question to the interviewer?

- 1. YES, A MILLION TIMES!
- 2. DO not shy away
- 3. Great Opportunity
- 4. Don't act greedy and ask strictly proffessional questions!
- 5. Show them what you know
- 6. Make it interactive
- 7. Show you are curious(which, you should be!)

What is the key to confidence:)

- 1. Know that it is not something inborn
- 2. It is a learnable skill
- 3. Preparedness and practice
- 4. Be aware of your strengths
- 5. Accept Compliments
- 6. What is the worst that can happen?
- 7. Take a chance

My two cents:)

- 1. Be Patient
- Confidence and honesty goes a long way!
- 3. Have a positive mindset
- 4. Be Interactive
- 5. Attempt the questions
- 6. Relax and learn from the process
- 7. Leave with a smile and greeting
- 8. Practice, Practice, Practice!!!

Questions?

Thankyou!

Disclaimer

These are just opinions and things based on my little experience. That doesn't mean these things are a precise list of things and will guarantee you a job or an internship.