

Learn(θ)

Engineering Placement Prep

Expert Tips for CV, Interviews and Aptitude

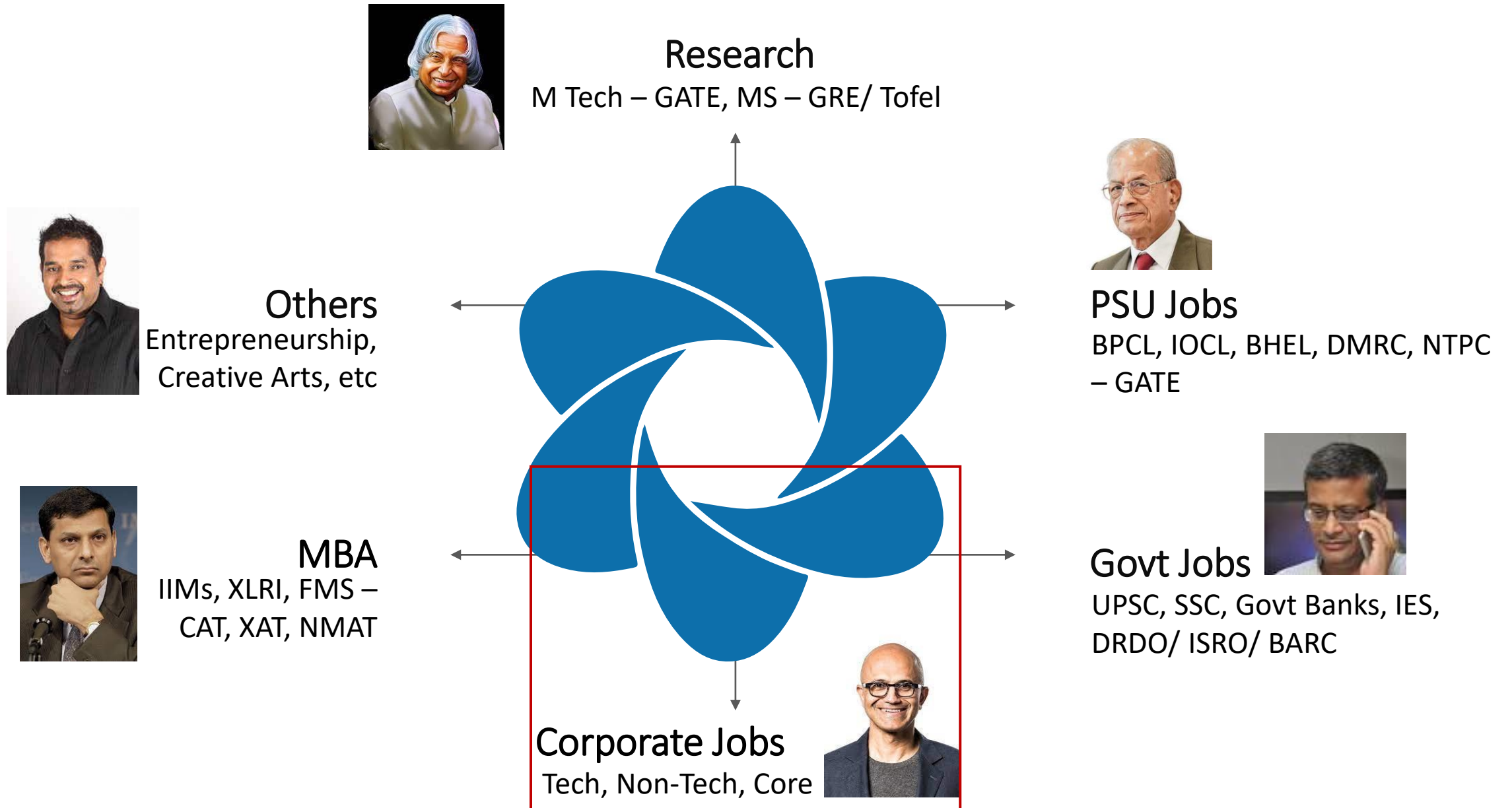
Ravindra Patidar

IIT-Madras (2011), IIM Calcutta (2016)

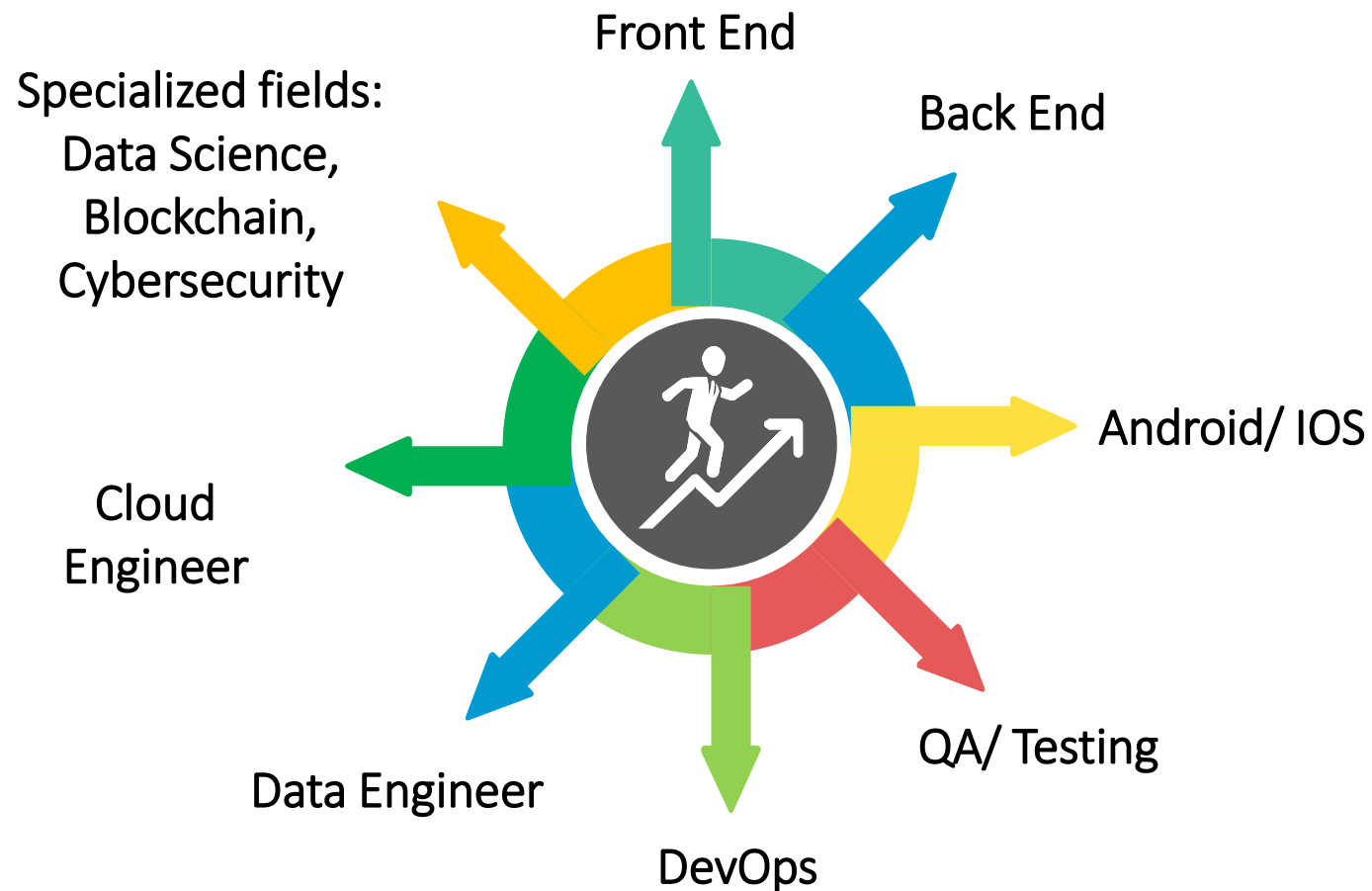
Work Ex: SAAS, AI, PE, Consulting and Manufacturing
Founder, LearnTheta.com



Career Paths after Engineering



Tech Jobs – Different Roles



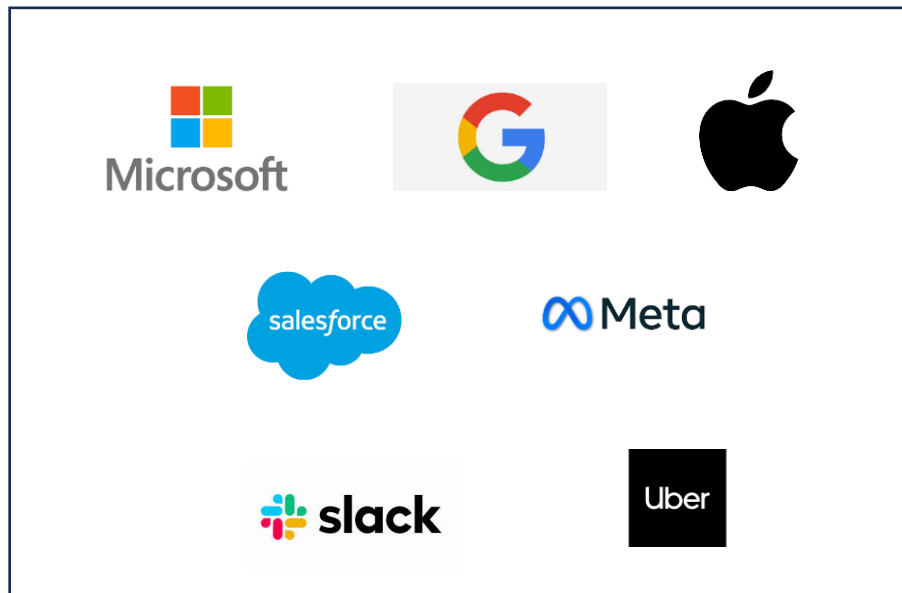
Role at Myntra	Kind of responsibility
Front End	Shopping experience on UI
Back End	Inventory management
Android/ IOS	Responsive, easy to use app
QA/ testing	New feature testing
DevOps	Deployment, upgrade, health
Data scientist	Recommendation engine

As organizations become bigger and complex, roles become more and more specialized

Over period, you will work across different roles to evolve to a manager role

Product Companies vs Service Companies

Product Companies



Service Companies



Why do product companies pay more?

How will AI Impact Tech jobs in future?

Success of LLMs have has propelled AI onto a trajectory of exponential growth.

AI is definitely here to stay and will become a bigger part of our lives.

Initially, AI is set to automate mundane and repetitive tasks

In the future, everyone will need to know how to use AI tools, just like how we all use computers now.

Jobs will change too; they'll need people to think of new ideas and solve problems.

With AI tools, workers can put these ideas into action and improve their work



Preparing your CV for Placements: Basics

1. Create a LinkedIn profile

- Make sure profile is 100% complete
- Upload a professional profile pic
- Connect with your business network: your friends, professors, managers, HRs

2. Create profiles on job portals including Naukri, Hrist, Unstop, Internshala, etc.

3. Create a professional email id

- No more CoolDude@gmail.com
- Make sure your email ID has your name captured

4. Get a professional photo clicked for various online and offline forms

5. Scan all past certificates/ documents and keep soft files handy

CV: Important Components

No. of pages: 1 page CV is enough

Education: Include current degree and even certificates for online/offline courses

Skills: Please include only what you really know

Awards/ extra-curricular: Take the opportunity to differentiate yourself (cloud kitchen, social service, teaching etc.)

Jack William

UNIVERSITY ACADEMIC

(123) 456-7890
jackwilliam@email.com
Seattle, WA
@Jackwilliam

EDUCATION

NAME | Year 20XX
Name of College or High School
City, State

NAME | Year 20XX
Name of College or High School
City, State

SKILLS

- Communication
- Problem Solving
- Leadership
- Time Management
- Decision Making
- Creativity
- Analytical
- Research
- Team Oriented
- Negotiation
- Public Speaking

AWARDS

MONTH 20XX
School | Location
Enter name of your award earned

MONTH 20XX
School | Location
Enter name of your award earned

CAREER OBJECTIVE

Your resume objective is a focused 2-3-sentence statement that demonstrates your interest and candidacy for the position you hope to land. As a student or entry-level candidate, you should consider writing an objective, tailoring it to each position you apply for. Take the time to write a compelling, custom objective.

EXPERIENCE

Research Assistant

MONTH 20XX - PRESENT

- Focus on your contributions, not your responsibilities. "Grew digital marketing ROI by 14%" is much better.
- Start your job description bullet points with active verbs rather than personal pronouns. For instance, "Designed and implemented work ticketing system."

LAB Engineer

MONTH 20XX - MONTH 20XX

- Keep your bullet point descriptions at three lines or under. "Created nutrition and personal training plans for 30+ clients, helping clients lose 26 pounds on average."
- Write your job descriptions in the past tense, though you can write current experience in the present tense if you wish.

PROJECTS

Project Name

MONTH 20XX - PRESENT

- Focus on your contributions, not your responsibilities.
- Start your job description bullet points with active verbs.
- Designed and implemented work ticketing system.

Project Name

MONTH 20XX - MONTH 20XX

- Keep your bullet point descriptions at three lines or under.
- Created nutrition and personal training plans for 30+ clients.
- Write your current experience in the present tense if you wish.

Contact Info: Name, Phone number, Location, Email and LinkedIn profile

Objective: Differentiate yourself

Experience & Projects: Include all internships and major projects as this all your practical experience so far

Use action words and quantify your achievements



Intern at TechInnovate:

Assisted in developing a feature for a product that helped in increasing user interaction

B.Tech Project

Developed a nutrition tracker app as “EatRight”, which was liked by all the users



Intern at TechInnovate:

Spearheaded the development of a real-time user engagement feature, resulting in a 25% increase in user interaction within the first three months of implementation

B.Tech Project

Developed "EatRight", a nutrition tracker app for my B.Tech project, which secured 500+ downloads within the first two months of launch and received an average rating of 4.5 stars on the app store

Tailor your CV for different kind of jobs



Objective:

Eager to apply my proficiency in Python and JavaScript to **impactful product development** at Zomato

Internship Experience

Intern at TechInnovate: Played a key role in developing a **feature enhancement** for an existing product, emphasizing quick iteration and user feedback integration to improve **product-market fit**

B.Tech Project: Developed "EatRight", a nutrition tracker app. Focused on **integrating user feedback** to refine the app, demonstrating responsiveness to user needs and iterative development.



Objective:

Aspiring to utilize my strong foundation in Python and JavaScript to **large-scale projects** with a focus on delivering high-quality, efficient software solutions

Internship Experience

Intern at TechInnovate: Contributed to a **cross-functional** team to enhance a software feature, focusing on code optimization and maintaining **high-quality standards under tight deadlines**

B.Tech Project: Developed "EatRight", a nutrition tracker app. Emphasized **systematic testing and validation** to ensure reliability and performance, showcasing attention to detail and commitment to delivering quality software.

Some additional points

- Do not stuff less trivial points: it will dilute your CV
- Don't force 2 pages
- Spell/ grammar check is must: No one wants to hire a casual applicant
- Take a printout and proof-read
- Share it with peers, seniors and professionals to get a point of view; but take feedback very selectively
- Keywords matter in AI screening world
- ATS score check

Interview Prep Step 1: Know your CV thoroughly

- Your CV should reflect “You”
- Be thorough with every point in your CV
- Think on indirect questions from your CV ad practice in your head
- Please do not write anything in your CV which you are not familiar with
- Write down your professional story



Step 2: Prepare for Common Qs & their variations

1. First Q: Tell me about yourself

- Just touch upon everything related professionally: school, hometown, graduation, internship, project, hobbies, etc
- This is your chance to differentiate yourself: “My father was in transferable job, so I have become more receptive to changes over time”

2. Last Q: Do you have any question for us?

- Answer should reflect your passion for joining
- How does my career progression in the company look like?
- How are we being prepared for AI revolution?

3. Strength and Weaknesses? Why should we hire you?

- Whatever you say, back it up with examples
- Companies will generally have some qualities listed for the role or as their values. If you can relate to that, nothing like it
- I am sincere and hardworking, I have 100% attendance in college
- I am good with practical applications, I have scored A+ in all workshops

Step 2: Prepare for Common Qs & their variations

4. Where do you see yourself in 5 years? What are your goals?

- Understand company's career path and accordingly answer it
- It's good to show ambitious plan but not vague or unrealistic
- Also don't talk about your goals post quitting the job. This question always means: If you stay 5 years with us, where do you see your self in the company?
- I want to lead development team for our most important client 5 years down the line

5. Why do you want to work here?

- Research about the company and accordingly answer it
- You have to appreciate them! :D
- You are the largest manufacturer of automobile parts globally and it will be a pleasure to be part of this legacy
- What if they are not the largest/ most profitable/ most valued company? Then, you still need to appreciate. No one hates compliments
- Well, you are the most respected and innovative IT company in India

Step 3: Research Enough



Company **01**

- Company's business
- Latest News
- Org structure
- LinkedIn



Interviewer **02**

- Company
- Presentation
- Webinars
- LinkedIn Updates
- Past Interviews
- Seniors



Reviews **03**

- Glassdoor
- Google reviews
- LinkedIn
- Quora
- Reddit

Body Language Matters

- Reach on time
- Be Presentable
- Smile and be confident
- Keep your arms open
- Be polite and respectful



Placements Interviews: More Points



Attend company
presentations and pay
attention



Attend mock interviews



Practice mocks in your
head



Differentiate yourself



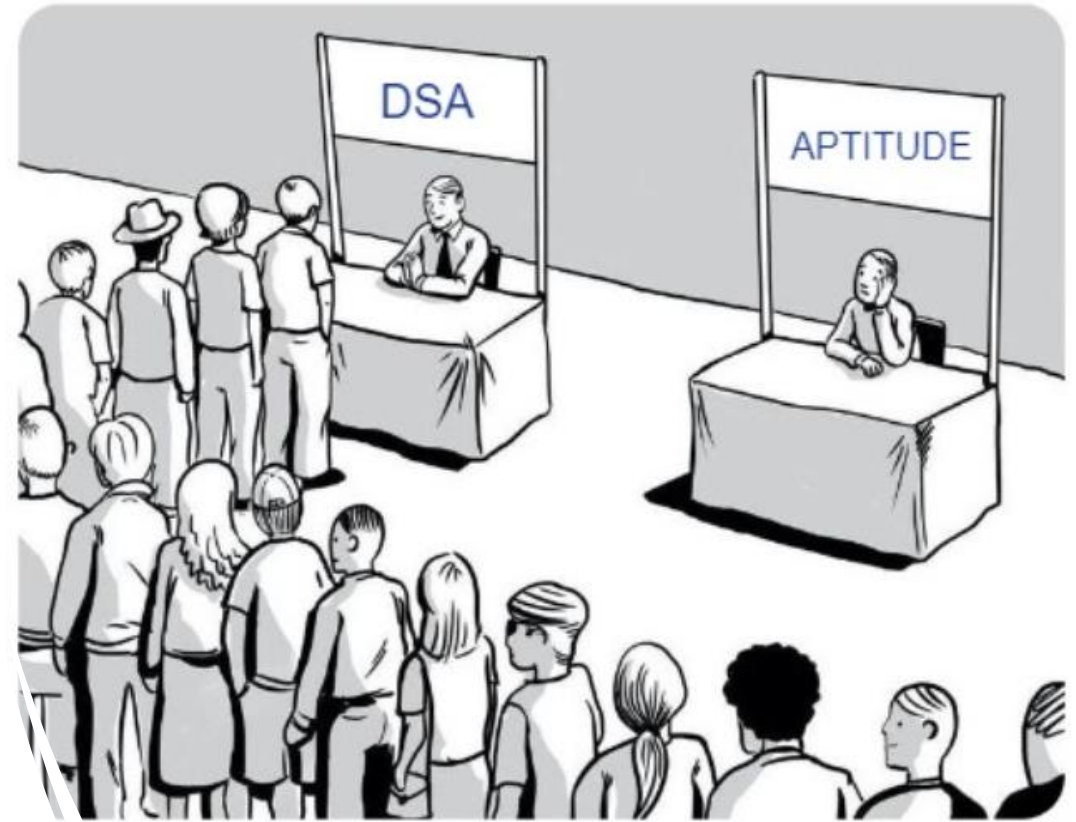
Brush up your basics:
technical



PLACEMENT PREP

Aptitude Tests

- **Why do companies have aptitude test?** Shortlist candidates who meet a certain benchmark of intellectual and problem-solving capabilities
- **Importance of aptitude test:** Filtering criteria for most of the companies
- Still, aptitude is neglected by lot of students till the end: lack of awareness, overconfidence or not knowing how to prepare
- Helpful for other exams: CAT, off campus, Govt jobs, UPSC, GATE



Placement Aptitude: Syllabus

Sr. No.	Quantitative Ability	Logical Reasoning	Verbal Ability
1	Numbers: Divisibility, LCM and HCF	Letter and Number Series	Synonyms/ Antonyms
2	Percentage	Calendar and Clocks	Sentence rearrangements
3	Ratio & Proportion	Blood relation	Fill in the blanks
4	Profit/ Loss and Partnership	Coding and decoding	Sentence correction
5	Simple and Compound Interest	Directions	Reading Comprehension
6	Ages	Mirror images	
7	Average, Mixture and Alligations	Reasoning Analogies	
8	Time and Work (includes pipes etc.)	Cubes and dices	
9	Speed, Time, Distance (includes train, boat)	Seating arrangements	
10	Probability and PnC		
11	Mensuration: Area, Volume & Surface area		
12	Geometry		
13	Data Interpretation: Graphs, charts, tables		
14	Others: Algebra, Functions, Trigonometry		

There will be variations in syllabus and difficulty level from company to company

Syllabus: Important Topics

Sr. No.	Quantitative Ability	Logical Reasoning	Verbal Ability
1	Numbers: Divisibility, LCM and HCF	Letter and Number Series	Synonyms/ Antonyms
2	Percentage	Calendar and Clocks	Sentence rearrangements
3	Ratio & Proportion	Blood relation	Fill in the blanks
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8	Time and Work (includes pipes etc.)	Cubes and dices	
9	Speed, Time, Distance (includes train, boat)	Seating arrangements	
10	Probability and PnC		
11	Mensuration: Area, Volume & Surface area		
12	Geometry		Important & Easy
13	Data Interpretation: Graphs, charts, tables		Less Important & Easy
14	Others: Algebra, Functions, Trigonometry		Less Important & Difficult

How to prepare for Placement Aptitude

Step 1: Quickly study important chapters

1. Youtube
2. Books

Step 2: Practice, practice and practice!

1. Practice on LearnTheta and monitor your score
2. Aim to reach a level of 60-80 in important topics

Step 3: Check previous year papers for companies of your interest

How to practice on LearnTheta

Just 99/- year
for serious
candidates

The screenshot shows the LearnTheta practice interface. At the top, a blue header bar contains the 'Learn(θ)' logo on the left and a timer showing '00 min 07 sec' on the right. Below the header, a list of topics is displayed on the left side, each with a letter in a circle and a score: A (7/64), B (5/16), C (2/3), D (49/67), and E (57/64). On the right side, a table shows the percentile for each topic. A blue callout box points to the 'Percentages' row in the table, stating: 'As you solve more problems, your percentile for each topic updates. Your goal is to reach 80th percentile.' At the bottom of the interface, there are buttons for 'Solution', 'Skip', 'Submit', and 'End Practice'. A progress bar at the very bottom shows '00:02 / 00:08'.

Topic	Percentile
Number systems	45
Percentages	49

As you solve more problems, your percentile for each topic updates. Your goal is to reach 80th percentile.

Select topics and try to reach 60+ score in important topics

Other Processes

Group Discussions (GDs):

1. Form a study group and practice
2. Use chatgpt/ bard to generate random GD topics
3. Record the sessions and improve

Psychometric Tests:

1. Understand the Test Format before attempting
2. Be consistent and don't miss the obvious
3. Manage your time

Thank You

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