TECH & HR INTERVIEWS

DEPT OF INFORMATION TECHNOLOGY
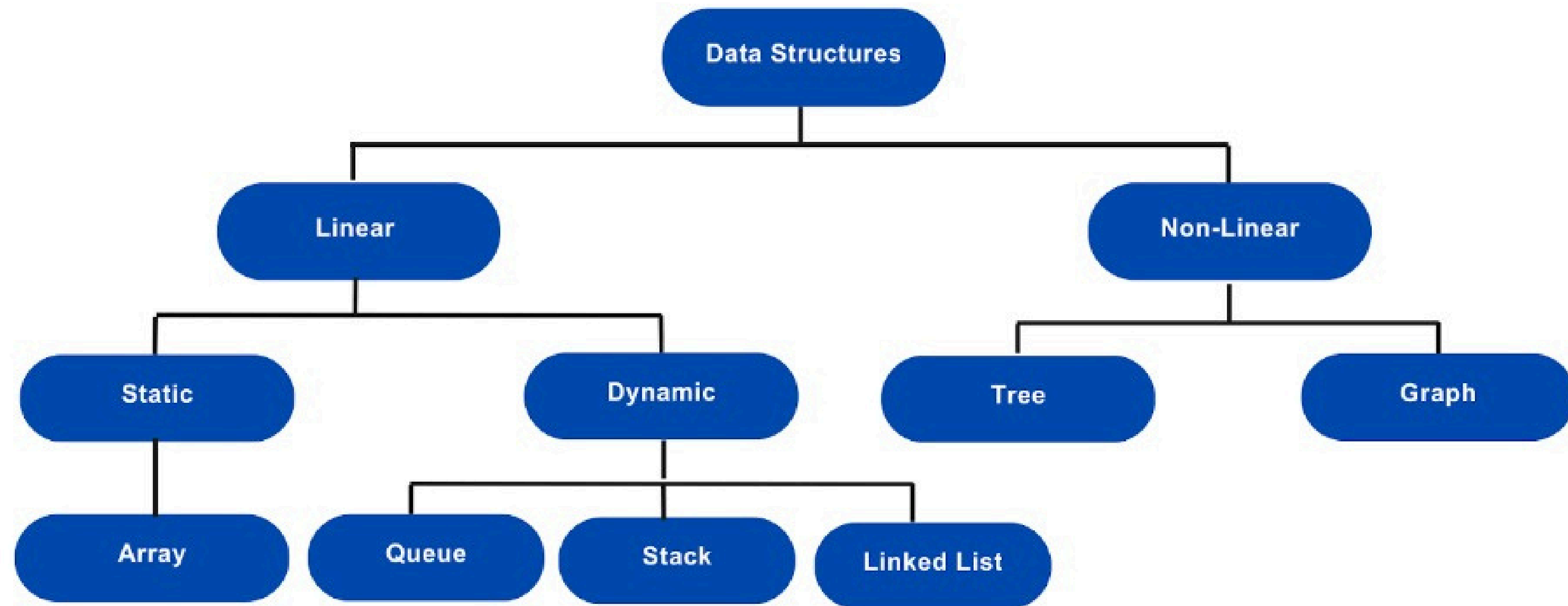
WHAT TO EXPECT IN TECHNICAL ROUND?

CORE SUBJECT KNOWLEDGE
- DSA
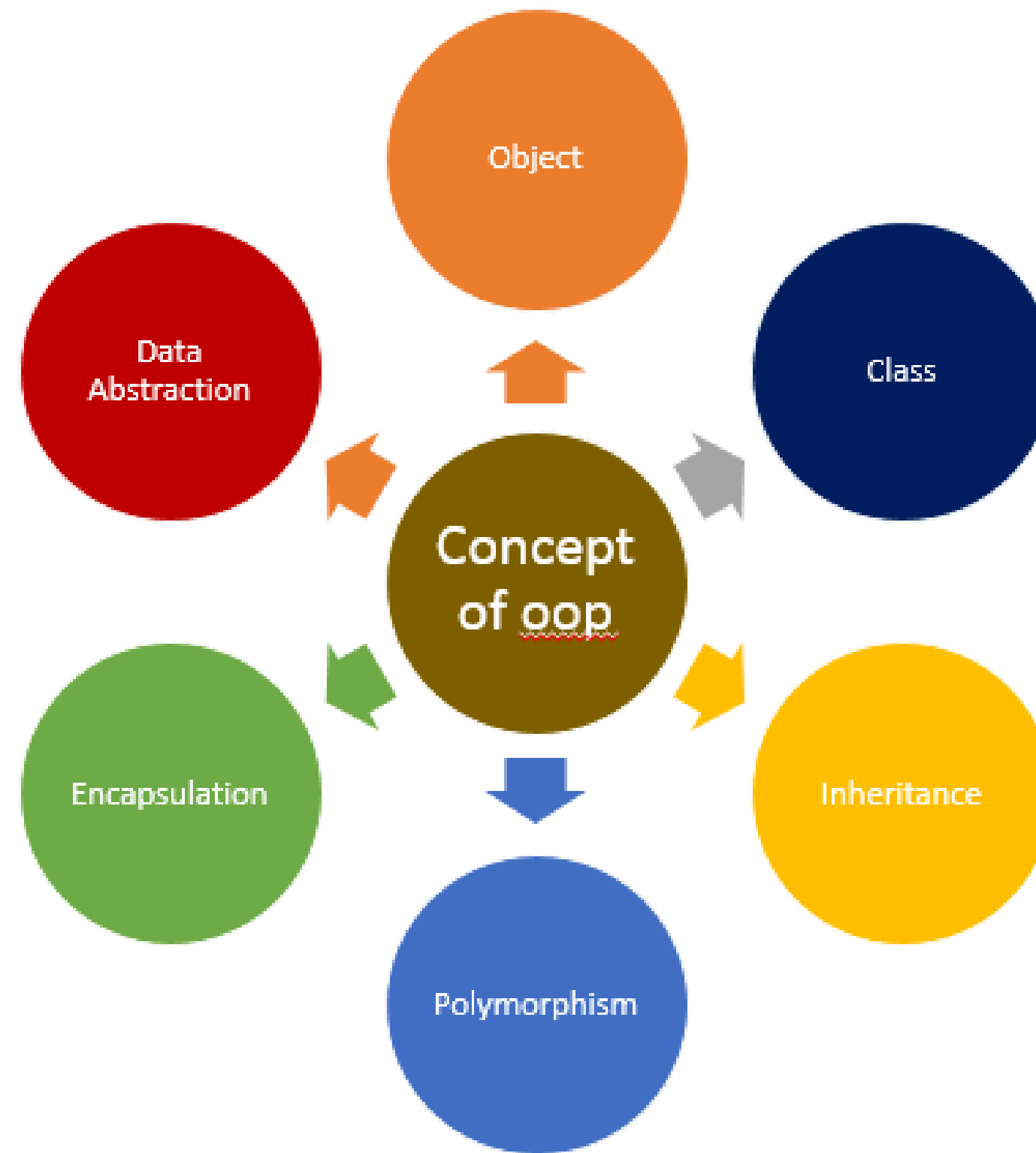- OOPS
- DBMS
- OS
- CN

- Projects
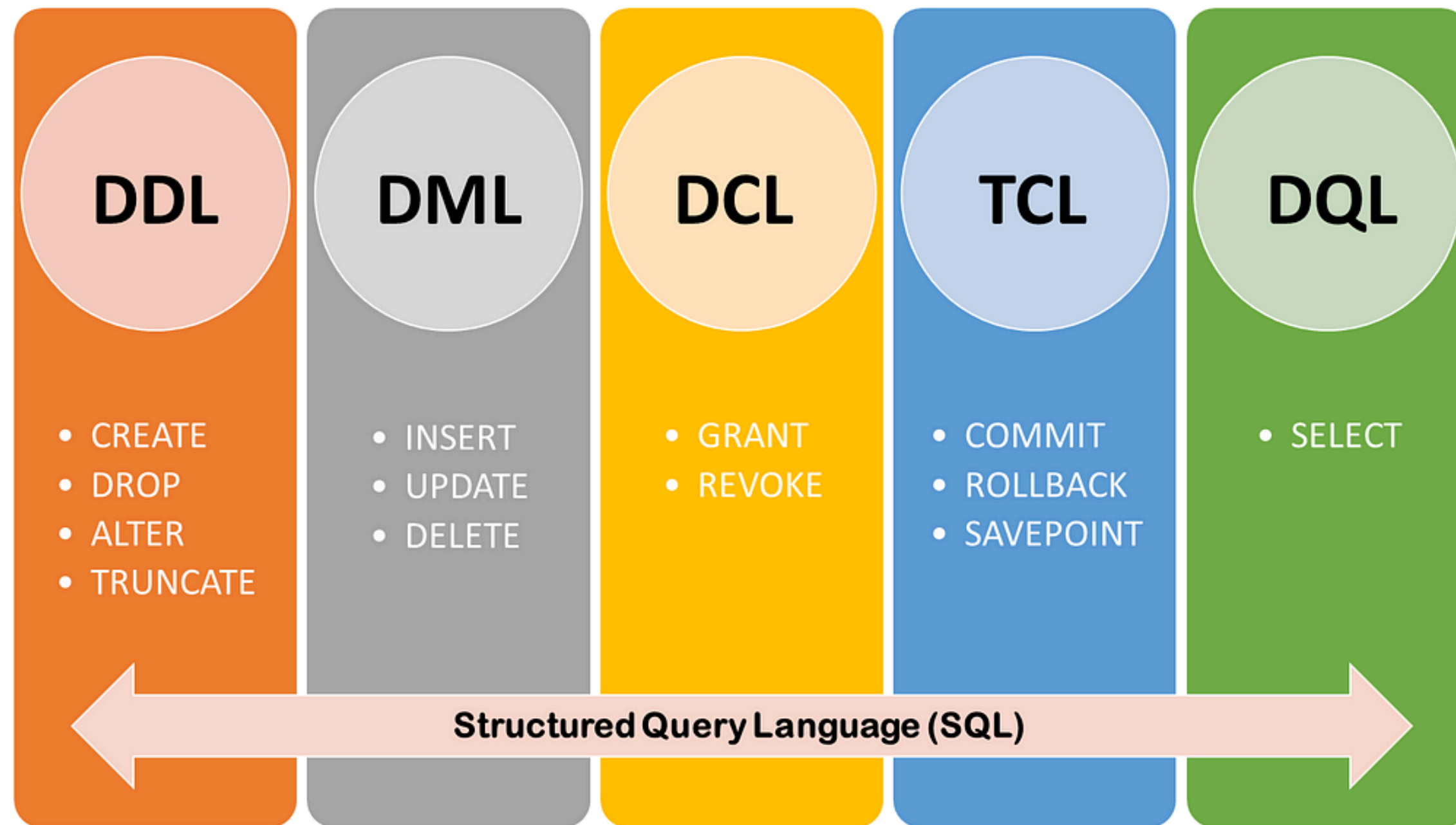- Hackathons
- Conferences

DATA STRUCTURES & ALGORITHMS

- Time and space complexity
- Sorting & searching techniques
- Basic algorithms (Floyd's, Dijikstra, Kruskal, Prims etc)

OBJECTED ORIENTED PROGRAMMING

- Definitions & Real time examples

DATABASE MANAGEMENT SYSTEM

DDL	DML	DCL	TCL	DQL
• CREATE • DROP • ALTER • TRUNCATE	• INSERT • UPDATE • DELETE	• GRANT • REVOKE	• COMMIT • ROLLBACK • SAVEPOINT	• SELECT

Structured Query Language (SQL)

- Joins, Normalization forms, ACID properties
- Integrity Constraints, Subqueries, Project based examples

OPERATING SYSTEM & COMPUTER NETWORKING

OS
- Scheduling and page replacement algorithms.
- Process, Kernel, Thread, Multi-Threading, Hypervisor
- Paging, Segmentation
- Inter-process Communication
- Deadlock & prevention techniques
- Semaphore

CN
- OSI & TCP/IP models
- Sockets, DNS, Communication Protocols(Handshake)
- Networking Topologies, Data Encryption

PROJECTS

- Have a minimum of 3-4 projects at hand. (Preferably hosted)
- Highlight your contribution to the project. (Front-end/ API Connectivity/ Back-end/ Database management)
- Reason with your choice of tech stack
- Objective and target group of the project
- Emphasize the USP of the project
- Explain how you came up with the project idea

HR

- **What do you know about this company?**
- **What interests you about this role?**
- **What motivates you?**
- **Who is your inspiration?**
- **What are your goals in the future?**
- **Where do you see yourself in the next 5 years?**
- **Willing to relocate?**

HR

- **Why should we hire you?**
- **What makes you unique?**
- **What is your greatest challenge and how do you deal with/overcome/cope with that?**
- **How do you handle your stress (especially when it comes to the work you're doing) ?**
- **What are your strengths and weaknesses?**
- **Are you a team player?**
- **What makes you a good leader?**

COMMON QUESTIONS

- Tell me about yourself
- Latest technologies you've learnt
- Conferences & Hackathons you've been a part of
- Published papers & patents
- Career objective
- Have some questions to ask the interviewer at the end

Q&A