

THE BEST
<CODE1RS



MANIPAL
ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)

PLACEMENT AND INTERNSHIP PREPARATION SEMINAR

-By Devansh Sharma



THANKING OUR SUPPORTERS

- **Dr. Krishnamoorthi Makkithaya**- Professor and HOD, Dept of Computer Science and Engineering
- **ISTE Manipal**- One of the largest technical clubs of MIT Manipal
- **The MIT Post**- Official media body of MIT Manipal



HELLO, I'M DEVANSH



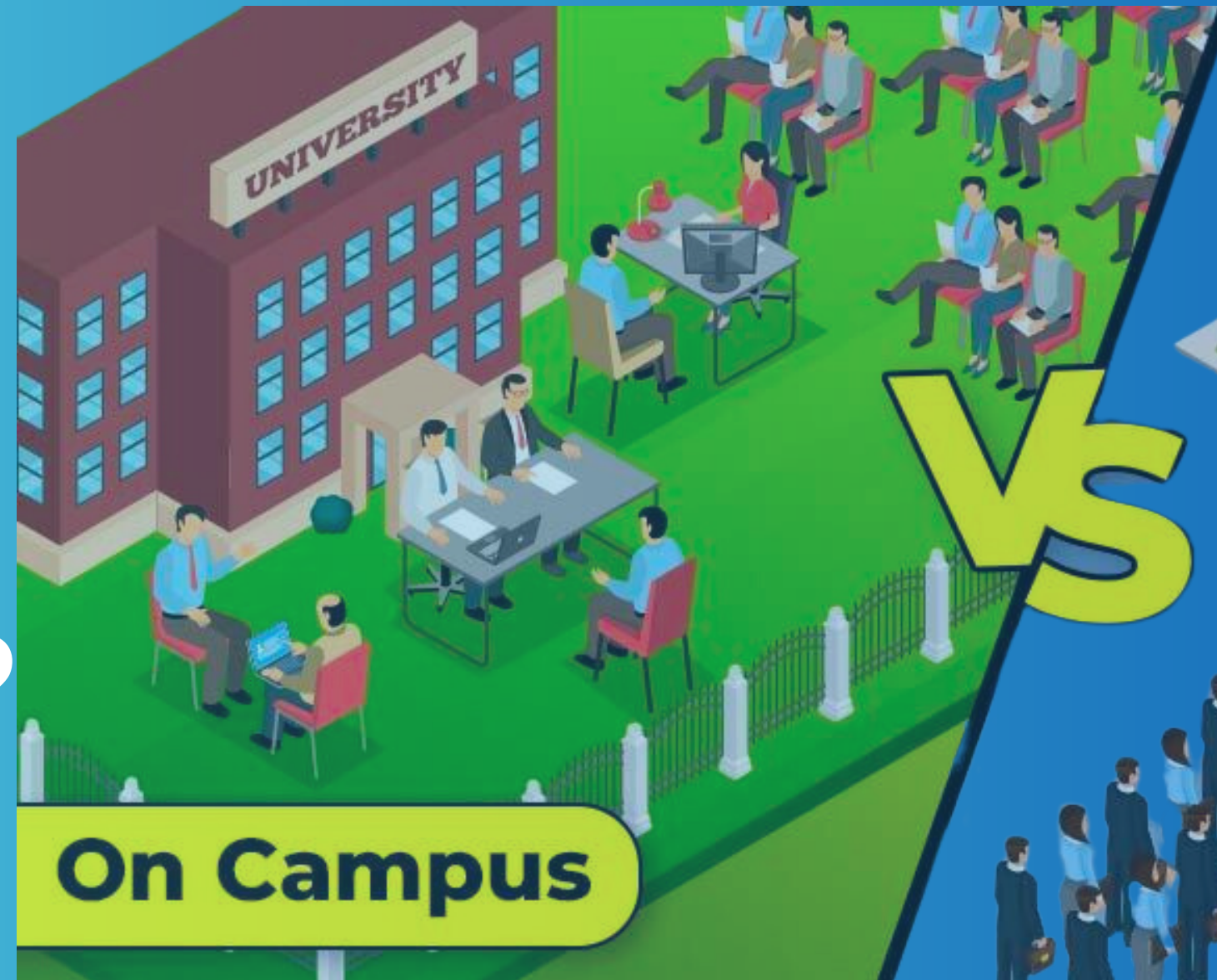
ABOUT ME

Dev Intern @Botpresso
Placed at Greenlight
Ex-Coding Community Head,
ISTE Manipal

Types of students in 2nd/3rd year

- Have an internship, hoping to get a PPO
- Gave their level best, but struggled in the internship season
- Want to prepare for these interviews but feel a little directionless
- Plan to go for masters, unaware of the fact that they'll sit for placements later xD

On-campus
or
Off-campus??

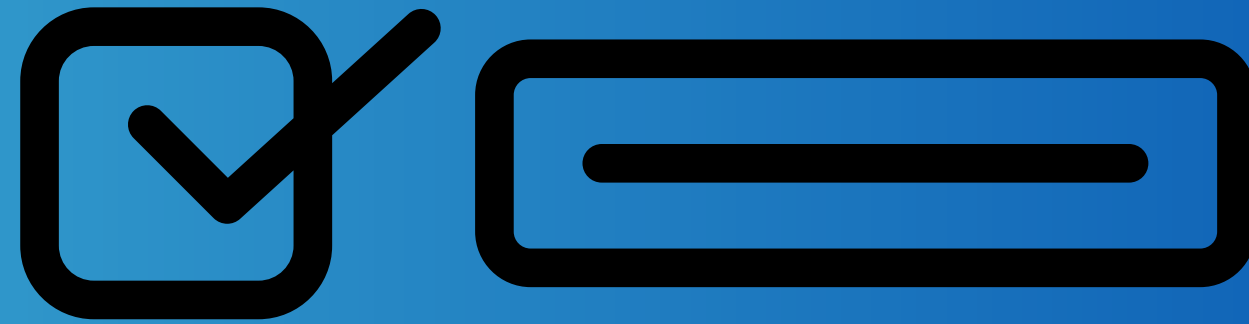


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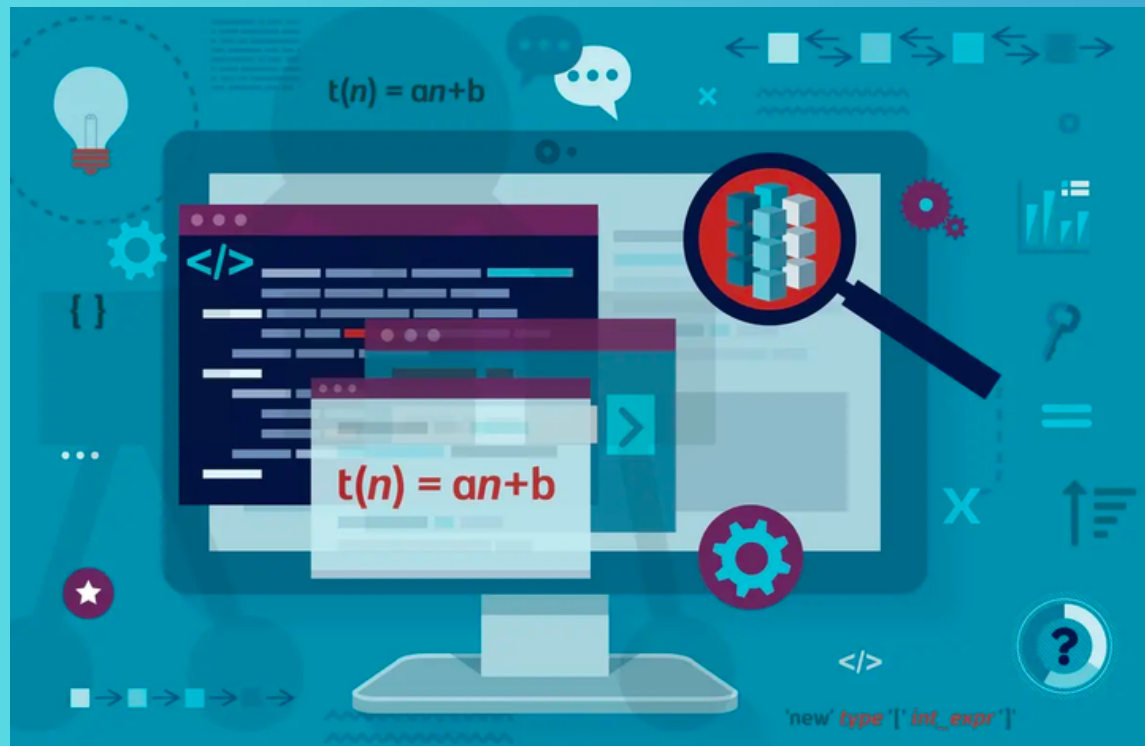


On-campus Internship and Placement Criteria

- CGPA
- Branch
- CV
- 10th marks
- 12th marks



Technical Skills



◆ DATA STRUCTURES AND ALGORITHMS (DSA)

Practice of at least 380-400 DSA questions on coding platforms like GFG, Leetcode etc

◆ OPERATING SYSTEM (OS)

Understanding of core concepts and ability to solve numericals quickly and accurately

◆ COMPUTER NETWORKS (CN)

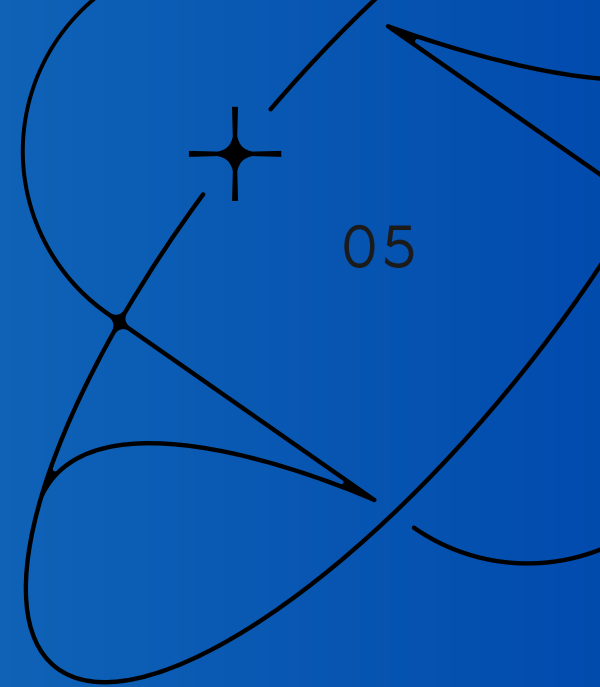
Understanding of TCP and UDP, protocols that exist in the entire OSI Model

◆ OBJECT ORIENTED PROGRAMMING (OOPS)

This can be done in Java/C++ and need to know real-life example as well as written code

◆ DATABASE MANAGEMENT SYSTEM (DBMS)

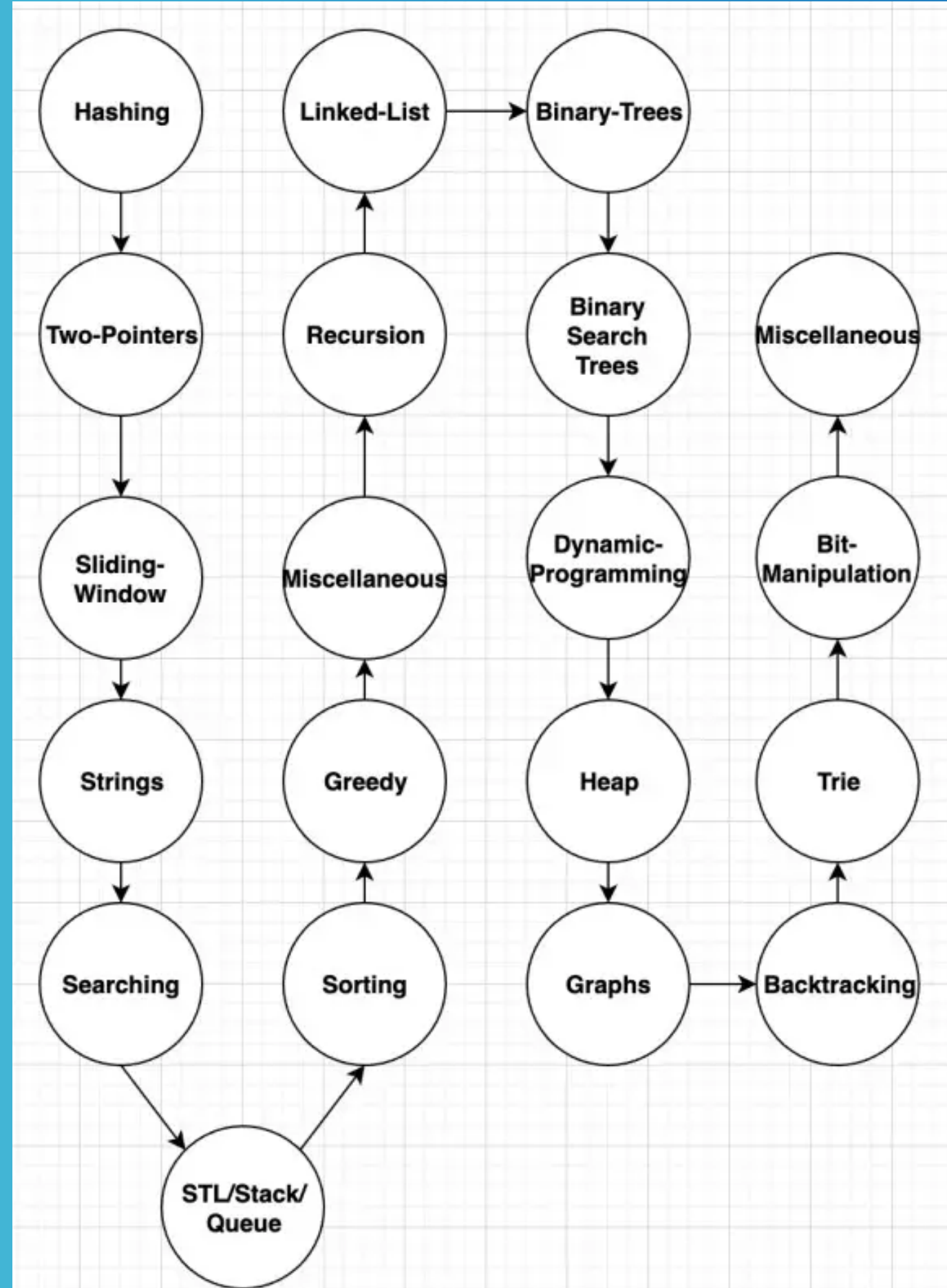
SQL and Normalization



DATA STRUCTURES AND ALGORITHMS

- Learn C++/JAVA ASAP
- You'll need to solve atleast 350-400 questions on various coding platforms like GFG,Leetcode etc.
- Make it a routine to give Leetcode contest on Sunday @8AM.
- Topics you cover in DSA rely on what kind of companies(pay-wise) you target.
- There is no end to solving problems but there is an end result of identifying patterns in questions.

“THE SYLLABUS”



Target \propto Topics to cover

Target CTC \leq 10LPA:- Arrays, Matrix, Strings, Hashing, Linked List, Two Pointer

Target CTC \leq 20LPA:- Binary Search, Recursion, Trees, BST's, Sliding Window, Stack/Queue

Target CTC \leq 30LPA:- Greedy, Dynamic Programming, Heaps

Target CTC \geq 40LPA:- Graphs, Tries

Resources and Timeline

- **Striver's A-Z sheet-->**A total of 400+ questions (3 months for 3rd years and 6 months for 2nd years)
- **GFG Most Asked Interview Questions**
- **Interview experiences right before interview**
- **Leetcode contest every Sunday @8AM**

CS Fundamentals

- **For subjects like operating system, Love Babbar playlist and Knowledge Gate is more than enough.**
- **For Computer Networks, Gate Smashers ftw**
- **For DBMS, again Love Babbar and Knowledge Gate should do**
- **OOP will require indepth understanding**

DSA v/s Dev

- It's not DSA v/s Dev, it's DSA and Dev
- Dev has to be done to a good extent to show real-life application of what we learn in DSA
- You'll need to know at least 1 backend framework to impress the interviewer

Discussion on Projects!

Discussion on Off-campus opportunities!

New Tool in the market-ZoopTrack

With the Doc-Track Feature, You can Track:

- ✓ Who opens your CV
- ✓ At what time they open it
- ✓ How long they spend on it
- ✓ What pages they view
- ✓ Live insights on recruiter behaviour



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WhatsApp community



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Questions??