

# ***GET PLACEMENT/ INTERN READY!!***

***A Guide by Kushal Vijay***

## **Motivation to follow this:**

- You'll be ready for the upcoming Placement or Internship Season.
- You'll solve 100s of problems across topics.
- Weekly Progress Check & Monthly 1-1 Session to motivate again.
- Mock Interview, Profile Review & Gifts for dedicated students.

## **What I want from you?**

- Follow this plan with discipline, honesty & dedication.
- Help others as much as you can, Compete, Collaborate & learn.
- Share it with your friends to make this plan a huge success.

### Who can all follow?

- Anyone can follow this but the time taken to complete may vary depending upon certain conditions.
- Experience in a programming language, understanding DSA, & a few projects is the prerequisite.
- Those who don't have the above skills can still follow but the time required to complete will increase then.

Ref Material: Narsimha Karumanchi DSA made easy.



***PLAN FOR 4 MONTHS***  
***120 DAYS***

### What we need to cover?

- Data Structures ( 4 weeks or 28 days)
- Algorithms ( 4 weeks or 28 days)
- Core Subjects ( 15 days)
- Projects (1 Week or 7 days)
- Revision (4 Weeks or 28 days)

Note: A buffer of 2 weeks for small breaks, chill or to cover backlog.

## **Data Structures: (4 Weeks Plan)**

- Array & String **(5 days)**
- Linked List **(3 days)**
- Stack & Queue **(4 days)**
- Tree & BST **(1 week)**
- Priority Queue & Heap **(2 days)**
- Graph **(1 week)**

## **Algorithms: (4 Weeks Plan)**

- Sorting **(3 days)**
- Searching **(3 days)**
- Dynamic Programming **(8 days)**
- Recursion **(3 days)**
- Backtracking **(2 days)**
- Hashing **(3 days)**
- Bit Masking **(2 days)**
- Divide and Conquer **(2 days)**
- String Algorithms **(2 days)**

**Must Do Topic Wise**

## **Core Subjects: (15 days)**

**Learn things in parallel**

- OOPs
- DBMS
- Operating System
- Computer Networks
- System Design
- Software Engineering Concepts

**When preparing for Interview, Look for the top 50 commonly asked questions from YouTube.**

**During Revision stage, Learn only the important topics mentioned here : [CS fundamentals important topics](#)**

## **Projects: (1 Week)**

**Assuming you already have 2-3 projects, Utilize this week to walk through those projects.**

- Understand the complete architecture.
- Prepare Interview Questions around Tech Stack.
- Know in & out what the project does.

**Revision (4 Weeks or 28 days)**

**You can follow any one of the paths:**

- **InterviewBit:**

<https://www.interviewbit.com/courses/programming/>

- **GeeksforGeeks:**

<https://practice.geeksforgeeks.org/>

- **LeetCode:** <https://leetcode.com/explore/>

- **HackerRank Interview Prepkit:**

<https://www.hackerrank.com/interview/interview-preparation-kit>

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## How you will monitor your progress?

- Finally our Discord Server:  
<https://discord.gg/kc5tkW3uK9>
- It's upon you how honest you're with sharing your progress.
- Share SS of a number of questions solved.
- Post your queries and doubts in "Doubt Discussion" Channel

## Contest:

[SDE Test Series](#)

## What if you're just starting?

[Complete Placement Resource List with Video Lectures](#)

[Project Ideas for Placements](#)

[CS Fundamentals Resources](#)

# How to get your Resume shortlisted?

## Aptitude Preparation Resources

## Resume Building & Checking Resources

Books to refer:

Narsimha Karumanchi: <http://www.dhimangaurav.com/docs/data.pdf>

E Balaguruswamy:

<http://www.microlinkcolleges.net/elib/files/undergraduate/Computer%20Sciences/Object%20Oriented%20Programming%20with%20C++.pdf>