



# 8 Months

**Foolproof Schedule To Crack  
Any Top Product Based  
company!**



## \*DISCLAIMER\*

Everyone learns at their own pace, so feel free  
to alter the plan to your liking!



## Gain Command Over Any One Programming Language

Everything you learn either DSA or Project Development has to be executed with a programming language.

Pick any 1 programming language out of **C++, Java, Python.**

(Don't think too much, just pick any one!)

## Learn

- Hello World program, Variables, Input & Output
- Conditional statement – if else, switch statement
- Loops – for loop, while loop, do while loop
- Time complexity & functions
- Basics of classes and objects



Month

# Problem solving in DS & Algo – Module I

Data Structure and Algorithms is a **no-skip topic** in every technical interview by MAANG companies.

You should spend the first month of your preparation learning the basics of DSA.

## Learn

- Basics of Algols + Time Complexities - **1 week**
- Arrays, → Pointers and Sliding Windows - **1 week**
- Strings - **1 week**
- Sorting Algorithms - **1 week**



## Problem solving in DSA - Module II

Now that you know basic Data Structures & Algorithms you can refine your skills further by learning these topics in the second month.

## Learn

- Recursion - 1 week
- Hashing - 1 week
- Bit Manipulation - 1 week
- Maths Concepts for Coding (Permutations & Combinations, GCD, Modulo Arithmetic, Matrices etc) - 1 week



## Problem solving in DSA - Module III

Advanced Data Structures such as **stacks**, **queues**, **linked lists** are popular choices for technical rounds.

You can spend the third month mastering these data structures.



## Learn

- Stacks - 1 week
- Queues - 1 week
- Linked Lists - 1 week
- Trees and Tries - 1 week
- Heaps - 1 week



## Problem solving in DSA - Module IV

Almost done with DSA! In this month look  
for the **standard algorithms & approaches**  
to solve programming problems.



## Learn

- Greedy Algorithms - 1 week
- Dynamic Programming - 2 weeks
- Graphs - 1 week



Month

# Computer Science Fundamentals

DSA – Done & dusted!

Now you are capable of tackling CS  
**Fundamental** topics methodically for  
technical interviews in the Fifth month.



## Learn

- Operating Systems - 1 week
- Computer Networks - 1 week
- Database Management Systems - 1 week
- Object Oriented Programming - 1 week



## System Design

System Design questions are always relevant in MAANG interviews, so make sure to cover it rigorously this month.

Fundamentals of System Design is a tough nut to crack, but here is a very good resource to make things much simpler for you.  
[\(Tap here to download\)](#)

## Learn

- Design Patterns & Schema, UML Diagrams  
- 1 week
- Machine Coding - 1 week
- Architecture Design - 1 week
- Distributed Systems - 1 week
- Load Balancing, Regular Hashing, Caching  
- 1 week
- Building Real Life Systems - 1 week



## Looking overwhelming ?

Still Confused... From where to begin ?

**Bosscoder** has got you covered entirely

Upskill yourself with a **well structured curriculum** and **Live classes** taken by **MAANG** engineers under one roof

[Tell me more](#)



## Projects and Wrapping Up!

Now that you are well versed in all the technical concepts, you need to work on your development skills through projects.

Building **Full Stack** will display deep & thorough knowledge.



## A sample breakdown of this month to learn how to build a project can be:

- Building Servers and MVC Architecture - 1 week
- Web based Architecture - 2 weeks
- Node.js, MongoDB, React - 2 weeks

## All Set!

- DSA for Problem Solving
- CS Fundamentals
- System Design Concepts
- Projects

All that you need to work on is revising all the things you learnt so far and your soft skills for behavioural & HR Rounds.

Here's to cracking that dream job! Godspeed.