



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



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, \rightarrow 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



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 though 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.