

NETFLIX



Complete Roadmap & free course!
(complete beginners & intermediate)

Free course, referrals, job
opportunity, resume, coding,
everything



About me.

- Top 1% globally at Leetcode (Knight Badge)
- **Expert** at codeforces.
- 5★ ★ ★ ★ ★ at codechef
- Software engineer at Microsoft. (2022-present)
- Ex-crypto exchange developer (2019-2020)
- Masters from IIT Roorkee. (2022)



All you need.

Have a nice coding profile

- Be an active coder on codeforces, codechef, leetcode.
- Solve as many problems as you can! (quality over quantity though)

Have a nice project on
your resume (don't need to
be Zuck!)

Immense knowledge of
data structures and
algorithms.

Reflect your passion for
technology!

Decent CGPA (not 9.9/10).

Fine soft skills (don't need
to be Shashi Tharoor!)

- Just to convey your thought process.



Referrals?

Have a nice **coding profile**,

Cold texting

Watchout for opportunities

Check the LinkedIn post to know more (link in the description).

Can reach out to me for referrals for Microsoft.

- Having a good resume would give you ample of opportunities to you anyway



Coding! Coding! Coding!

- Yes the most important aspect!
- Why coding?
 - Makes us better at problem solving
 - Makes mind sharper
 - Gives a true sense of competition
 - Compete with the best!
 - Learning almost everything becomes a lot easier
 - Ever lasting process
 - JOB!



What's coding?

- Arbitrary term, so let's call it problem solving.
- Solve a given problem with the help of an algorithm
- Give instructions to the computer to perform operations and get the desired output
- Wait... do computers understand human readable lang?
 - No hence, we communicate with them in programming languages, such as CPP, python, java etc.
- Well how to get better at it ?
 - Practice makes a man perfect (woman too).
 - How much would all of it cost?
 - Only costs time! Not money!



How to proceed?

- I got ya!
- Why follow my roadmap (rather than building your own?)
 - You can! It just would be easier to follow this.
 - I'll share my experience and mistakes so that you grow!
 - Doubt clearing sessions/ clear doubts with peers.
 - Gradually learn along with others.



Tips for roadmap!

- Try to solve all the question (would be provided every week)
- Join discord! (we all would grow together!)
- Clarify doubts in the group!
- Try to help your peers.
- If you're left behind, try your best to pick up the pace!
- Try contests, even if you are unable to solve a single question (DON'T CHEAT)
- See the upsolving videos to understand the logic/intuition.
- **BE CONSISTENT!**

Week0 (16th – 22nd Jan)

- **Common for both beginners and intermediate people!**
- C++ (what, why, how) – super noooooob level!
- Combinatorics (basic maths)
- STL (standard template library)
- Platforms you need!
- Bit manipulations!



Week1(23rd – 29th Jan)



Beginners

Hashing
Strings



Intermediate

Heaps
Recursion

Week2(30th Jan-5th Feb)



Beginners

2 pointers
Sliding window



Intermediate

Linked Lists
Binary trees (part-1)

Week3(6th-12th Feb)



Beginners

Sorting
sets



Intermediate

Binary trees (part-2)
Binary search tree!

Week4(13th – 19th Feb)



Beginners

Queue/ Deque
Stacks



Intermediate

Graphs!

Week5(20th – 26th Feb)



Beginners

Greedy



Intermediate

DP

Week 6 (27th Feb – 6th Mar)



Beginners

Binary search



Intermediate

Backtracking



Topics covered



Beginners

Hashing
Strings
2 pointers
Sliding window
Sorting
Sets
Queue, deque, stack
Greedy algo
Binary search



Intermediate

Heaps
Recursion
Linked lists
Binary tree and BST
Graphs
DP
Backtracking




Week7 and beyond (7th Mar ->.....)

- **Beginners**

- Congrats! You are no longer a beginner! ✅
- Start the intermediate playlist

- **Intermediate**

- Will start studying Tries (week7), Union find (week8) and Segment trees (week9)
- Will study complex algorithms like binary lifting, lazy segment tree etc after course completion in adhoc manner!



Are these dates flexible?

- I would like them to be
 - But I would follow your pace
 - Should be more or less same
 - Keeping room for uncalled circumstances.

Requests?



It's my effort of acquiring and imparting knowledge as I learn.



Try to share this roadmap to your peers so that we have a large community of engineers with a common goal! Goal is to impart knowledge to as many souls as possible.



Try to help others as you grow! (trust me nothing gives more pleasure)



Try being honest to yourself at least.



Keep helping others, keep coding and keep spreading knowledge. 🙏



Thanks!
All The Best
Happy coding!