📅 Month 1: Python Basics + Problem Solving

🏁 Week 1: Python Fundamentals

- ⬜ Day 1-2: Python Installation, Variables, Data Types
- ⬜ Day 3: Operators, Conditional Statements (if-else)
- ⬜ Day 4: Loops (for, while)
- ⬜ Day 5: Functions & Recursion
- ⬜ Day 6: Lists & Tuples (Basic Operations)
- ⬜ Day 7: Dictionary & Set (Basic Operations)
- 📌 Practice: Solve 10-15 easy problems from LeetCode, GeeksforGeeks.

🚀 Week 2: Advanced Python Concepts

- ⬜ Day 8: List Comprehensions, Lambda Functions
- ⬜ Day 9: String Manipulation
- ⬜ Day 10: File Handling & Exception Handling
- ⬜ Day 11: Classes & Objects (OOPs)
- ⬜ Day 12: Modules & Libraries (math, random, os)
- ⬜ Day 13-14: Mini Python Project (To-Do List / Calculator)
- 📌 Practice: Solve 10 problems based on Strings & Lists.

📅 Month 2: Basic DSA (Arrays, Stacks, Recursion, Linked List)

📊 Week 3: Arrays & Strings

- ⬜ Day 15: Introduction to Arrays, Insertion, Deletion
- ⬜ Day 16: Sorting (Bubble, Selection, Insertion)
- ⬜ Day 17: Two Pointers & Sliding Window Approach
- ⬜ Day 18: String Manipulation (Anagram, Palindrome)
- ⬜ Day 19-20: Solve 15-20 Problems (LeetCode, GFG)

🏗️ Week 4: Stack, Queue & Linked List

- ⬜ Day 21: Stack (Push, Pop, Peek) + Applications
- ⬜ Day 22: Queue (FIFO) & Deque
- ⬜ Day 23: Linked List (Singly & Doubly)
- ⬜ Day 24: Recursion Basics & Applications

- [ ] Day 25-26: Solve 10-15 problems on Stack, Queue
- [ ] Day 27-28: Solve 10-15 problems on Linked List

📅 Month 3: Advanced DSA (Trees, Graphs, DP)

🌳 Week 5: Trees & Binary Search

- [ ] Day 29: Binary Tree Introduction (DFS, BFS)
- [ ] Day 30: Binary Search Tree (Insertion, Deletion)
- [ ] Day 31: Binary Search (Iterative & Recursive)
- [ ] Day 32: Solve 10 problems on BST & Binary Search

🕸️ Week 6: Graphs & Heaps

- [ ] Day 33: Graph Representation (Adjacency List & Matrix)
- [ ] Day 34: BFS & DFS Algorithm
- [ ] Day 35: Dijkstra's Algorithm (Shortest Path)
- [ ] Day 36-37: Solve 10 problems on Graphs
- [ ] Day 38: Heap (Min Heap, Max Heap)
- [ ] Day 39-40: Solve 5-10 problems on Heaps

🔍 Week 7: Sorting, Searching & Dynamic Programming (DP)

- [ ] Day 41: Merge Sort & Quick Sort
- [ ] Day 42: Binary Search Applications
- [ ] Day 43: Introduction to DP (Top-Down & Bottom-Up)
- [ ] Day 44: Fibonacci, Knapsack Problem
- [ ] Day 45: Solve 10 problems on DP

📅 Month 4: Problem Solving & Competitive Programming

🏆 Week 8: Revision & Competitive Coding

- [ ] Day 46-47: Solve 5 Medium-Level Problems Daily
- [ ] Day 48-49: CodeChef/CodeForces Easy Contests
- [ ] Day 50-51: Solve 5 Graph-Based Problems
- [ ] Day 52: Solve 5 DP Problems
- [ ] Day 53-54: Participate in a Live Contest (LeetCode, CodeForces)

🎯 Week 9: Mock Interviews & Final Revision

🔲 Day 55-57: Solve 10 Problems per day (Mixed Topics)
🔲 Day 58: Mock Interview Practice
🔲 Day 59: Debug & Optimize Solutions
🔲 Day 60: Revise All Topics & Take Final Contest

🔥 Additional Tips for Success

✅ Daily 2-3 hours DSA + Problem Solving karo.
✅ Consistency is key, ek bhi din gap mat do.
✅ Code by hand before writing in Python.
✅ Practice 100+ problems in 3 months for mastery.
✅ Participate in Coding Contests (LeetCode, CodeForces, CodeChef).