

90-Day Medium-Level DSA in Python Tracker with Full Problem Links

Week 1: Arrays

Day	Task	Problem Links	Done?
Day 1	Arrays basics	LC #1929 Concatenation of Array GFG - Introduction to Arrays	■
Day 2	Searching	LC #704 Binary Search GFG - Search in Rotated Sorted Array	■
Day 3	Sorting	LC #912 Sort an Array GFG - Insertion Sort	■
Day 4	Merge/Quick Sort	LC #88 Merge Sorted Array GFG - QuickSort	■
Day 5	Two-pointer	LC #167 Two Sum II LC #15 3Sum	■
Day 6	Sliding window	LC #209 Minimum Subarray Length LC #76 Minimum Window Substring	■
Day 7	Practice + Revision	Solve 5 array problems from LC Easy/Medium	■

Week 2: Strings

Day	Task	Problem Links	Done?
Day 1	String basics	LC #344 Reverse String LC #125 Valid Palindrome	■
Day 2	Anagram problems	LC #242 Valid Anagram LC #49 Group Anagrams	■
Day 3	Substring search	LC #28 Find the Index of First Occurrence GFG - KMP Algorithm	■
Day 4	Longest substring	LC #3 Longest Substring Without Repeating Characters	■
Day 5	String compression	LC #443 String Compression	■
Day 6	Pattern matching	LC #14 Longest Common Prefix	■
Day 7	Practice	Solve 5 string problems from LC Medium	■

Week 3: Hashing + Prefix

Day	Task	Problem Links	Done?
Day 1	HashMap basics	LC #387 First Unique Character LC #383 Ransom Note	■
Day 2	2-sum/3-sum	LC #1 Two Sum LC #15 3Sum	■
Day 3	Subarray sum	LC #560 Subarray Sum Equals K	■
Day 4	Prefix sum	LC #238 Product of Array Except Self	■
Day 5	Subarray sum=k	LC #523 Continuous Subarray Sum	■
Day 6	Distinct window	LC #3 Longest Substring Without Repeating Characters	■
Day 7	Practice	Solve 5 hashing problems from LC Medium	■

Week 4: Linked List

Day	Task	Problem Links	Done?
Day 1	Singly Linked List	LC #206 Reverse Linked List LC #83 Remove Duplicates	■
Day 2	Reverse LL	LC #92 Reverse Linked List II	■
Day 3	Cycle detection	LC #141 Linked List Cycle LC #142 Linked List Cycle II	■
Day 4	Merge sorted lists	LC #21 Merge Two Sorted Lists	■
Day 5	Remove/Middle node	LC #19 Remove Nth Node LC #876 Middle of Linked List	■
Day 6	Doubly LL	GFG - Introduction to Doubly Linked List	■
Day 7	Practice	Solve 5 linked list problems from LC Medium	■

Week 5: Stacks & Queues

Day	Task	Problem Links	Done?
Day 1	Stack basics	LC #20 Valid Parentheses	■
Day 2	Next Greater	LC #739 Daily Temperatures	■
Day 3	Min Stack	LC #155 Min Stack	■
Day 4	Queue basics	GFG - Queue using array/LL	■
Day 5	Deque	LC #239 Sliding Window Maximum	■
Day 6	LRU Cache	LC #146 LRU Cache	■
Day 7	Practice	Solve 5 stack/queue problems from LC Medium	■

Week 6: Trees

Day	Task	Problem Links	Done?
Day 1	Tree traversals	LC #94 Binary Tree Inorder Traversal	■
Day 2	Level order	LC #102 Binary Tree Level Order Traversal	■
Day 3	Height/Diameter	LC #543 Diameter of Binary Tree	■
Day 4	Balanced Tree	LC #110 Balanced Binary Tree	■
Day 5	LCA	LC #236 Lowest Common Ancestor of a Binary Tree	■
Day 6	Max path sum	LC #124 Binary Tree Maximum Path Sum	■
Day 7	Practice	Solve 5 tree problems from LC Medium	■

Week 7: BST + Heaps

Day	Task	Problem Links	Done?
Day 1	BST basics	LC #700 Search in a BST	■
Day 2	Validate BST	LC #98 Validate Binary Search Tree	■
Day 3	Kth smallest	LC #230 Kth Smallest Element in BST	■
Day 4	Heap basics	LC #215 Kth Largest Element in Array	■
Day 5	Heap problems	LC #347 Top K Frequent Elements	■
Day 6	Priority queue	LC #373 Find K Pairs with Smallest Sums	■
Day 7	Practice	Solve 5 BST/Heap problems from LC Medium	■

Week 8: Backtracking

Day	Task	Problem Links	Done?
Day 1	Recursion basics	LC #784 Letter Case Permutation	■
Day 2	Subsets/Permutations	LC #78 Subsets LC #46 Permutations	■
Day 3	N-Queens	LC #51 N-Queens	■
Day 4	Word Search	LC #79 Word Search	■
Day 5	Rat in Maze	GFG - Rat in a Maze Problem	■
Day 6	Sudoku Solver	LC #37 Sudoku Solver	■
Day 7	Practice	Solve 5 backtracking problems from LC Medium	■

Week 9: Graph Basics

Day	Task	Problem Links	Done?
Day 1	Graph basics	GFG - Graph Representation	■
Day 2	BFS	LC #200 Number of Islands	■
Day 3	DFS	LC #695 Max Area of Island	■
Day 4	Cycle detection	GFG - Detect cycle in undirected graph	■
Day 5	Topological sort	LC #207 Course Schedule	■
Day 6	Connected components	LC #547 Number of Provinces	■
Day 7	Practice	Solve 5 graph problems from LC Medium	■

Week 10: Graph Applications

Day	Task	Problem Links	Done?
Day 1	Dijkstra	GFG - Dijkstra's Algorithm	■
Day 2	Bellman-Ford	GFG - Bellman-Ford Algorithm	■
Day 3	Floyd-Warshall	GFG - Floyd-Warshall Algorithm	■
Day 4	Prim's MST	GFG - Prim's Algorithm	■
Day 5	Kruskal's MST	GFG - Kruskal's Algorithm	■
Day 6	Bipartite check	LC #785 Is Graph Bipartite?	■
Day 7	Practice	Solve 5 advanced graph problems	■

Week 11: DP Basics

Day	Task	Problem Links	Done?
Day 1	Fibonacci/Stairs	LC #70 Climbing Stairs LC #509 Fibonacci Number	■
Day 2	Knapsack	GFG - 0/1 Knapsack Problem	■
Day 3	Subset sum	LC #416 Partition Equal Subset Sum	■
Day 4	LIS	LC #300 Longest Increasing Subsequence	■
Day 5	Coin change	LC #322 Coin Change	■
Day 6	DP on grids	LC #62 Unique Paths LC #64 Minimum Path Sum	■
Day 7	Practice	Solve 5 DP problems from LC Medium	■

Week 12: Advanced DP + Revision

Day	Task	Problem Links	Done?
Day 1	LCS	LC #1143 Longest Common Subsequence	■
Day 2	Edit Distance	LC #72 Edit Distance	■
Day 3	Palindrome Partition	LC #131 Palindrome Partitioning	■
Day 4	Matrix Chain Mult.	GFG - Matrix Chain Multiplication	■
Day 5	Word Break	LC #139 Word Break	■
Day 6	Bitmask DP	LC #198 House Robber Advanced optional	■
Day 7	Revision + Mock Tests	Solve 10-15 mixed problems daily	■