

60■Day Complete DSA Roadmap (Placement Focused)

This roadmap is optimized for placement preparation in top product companies like Amazon, Microsoft, Google, and others. Solve 3 questions per day and push your solutions to GitHub. Focus on understanding patterns, not just solving.

Phase 1: Arrays (Day 1–8)

Day 1: Majority Element, Single Number, Stock Buy & Sell
Day 2: Kadane's Algorithm, Sort 0s 1s 2s, Next Permutation
Day 3: Container With Most Water, Merge Sorted Arrays, Repeat & Missing Number
Day 4: 3Sum, 4Sum, Product of Array Except Itself
Day 5: Merge Intervals, Set Matrix Zeroes, Find Duplicate
Day 6: Longest Substring Without Repeating, Subarray Sum K, Search 2D Matrix
Day 7: Trapping Rainwater, Sliding Window Maximum, Largest Histogram
Day 8: Revision

Phase 2: Binary Search (Day 9–11)

Search Rotated Array, Peak Element, Aggressive Cows, Median of Two Sorted Arrays

Phase 3: Strings (Day 12–15)

Palindrome, Anagram, LCP, Group Anagrams, Minimum Window Substring, KMP

Phase 4: Linked List (Day 16–20)

Reverse LL, Detect Cycle, Merge LL, LRU Cache, Reverse in K Groups

Phase 5: Stack & Queue (Day 21–25)

Valid Parentheses, Next Greater Element, Stock Span, Rotten Oranges

Phase 6: Trees (Day 26–32)

Traversals, Diameter, LCA, Construct Tree, Max Path Sum

Phase 7: BST (Day 33–36)

Validate BST, Kth Smallest, BST Iterator

Phase 8: Heap (Day 37–39)

K Most Frequent, Heap Sort, Median in Stream

Phase 9: Graph (Day 40–48)

BFS, DFS, Cycle Detection, Topological Sort, Dijkstra

Phase 10: Dynamic Programming (Day 49–57)

Knapsack, Coin Change, LIS, Edit Distance, MCM

Phase 11: Greedy (Day 58–60)

Activity Selection, Fractional Knapsack, Job Scheduling, Revision