## Phase 1: Fundamentals (Days 1-15)

- **Day 1-2:** Time & Space Complexity
- Day 3-4: Recursion Basics
- **Day 5-7:** Arrays (1D & 2D)
- Day 8-9: Strings
- Day 10-12: Searching (Binary Search, Linear Search)
- Day 13-15: Sorting (Bubble, Selection, Merge, Quick)

## Phase 2: Core Data Structures (Days 16-45)

- **Day 16-18:** Hashing (HashMap, HashSet)
- Day 19-22: Stacks & Queues (Implementation & Applications)
- Day 23-26: Linked Lists (Singly, Doubly, Circular)
- Day 27-30: Recursion & Backtracking (Subset, Permutations)
- **Day 31-35:** Binary Trees (Traversals, DFS, BFS)
- Day 36-40: Binary Search Trees (Insert, Delete, Search)
- Day 41-45: Heaps & Priority Queues

## Phase 3: Advanced Data Structures (Days 46-75)

- Day 46-50: Graph Basics (BFS, DFS)
- Day 51-55: Graph Algorithms (Dijkstra, Floyd-Warshall, Bellman-Ford)
- Day 56-60: Dynamic Programming (Fibonacci, Subset Sum, Knapsack)
- Day 61-65: Advanced DP (LIS, Matrix Chain Multiplication)
- **Day 66-70:** Tries (Prefix Trees)
- Day 71-75: Segment Trees & Fenwick Trees

## Phase 4: Problem-Solving & Competitive Programming (Days 76-120)

- **Day 76-80:** Greedy Algorithms
- **Day 81-85:** Bit Manipulation
- Day 86-90: Sliding Window & Two Pointers
- **Day 91-95:** Disjoint Set Union (DSU)
- Day 96-100: Topological Sorting & Cycle Detection
- Day 101-110: Solve 50+ Medium to Hard Leetcode Problems
- **Day 111-120:** Solve 10+ Real-World Case Study Problems