**🔥 3-Month DSA Roadmap (1.5 - 2 hrs/day) 🔥**

**📌 Phase 1 (Days 1-28): Fundamentals & Core Data Structures**

**Focus:** Build strong problem-solving skills with essential concepts.  
✅ **Week 1**: Arrays & Strings (Sliding Window, Two Pointers, Prefix Sum)  
✅ **Week 2**: Linked Lists, Stacks & Queues (LRU Cache, Monotonic Stack)  
✅ **Week 3**: Trees & Graphs Basics (DFS, BFS, Binary Search Trees)  
✅ **Week 4**: Dynamic Programming (Knapsack, LIS, LCS) & Bit Manipulation

**📌 Phase 2 (Days 29-56): Advanced Topics & Problem-Solving Patterns**

**Focus:** Master mid-level DSA problems & advanced data structures.  
✅ **Week 5**: Graph Algorithms (Dijkstra, Floyd-Warshall, Union-Find)  
✅ **Week 6**: Advanced DP (Bitmasking, DP on Trees, Trie-based DP)  
✅ **Week 7**: Tries & String Algorithms (KMP, Rabin-Karp, Aho-Corasick)  
✅ **Week 8**: Heap, Priority Queue, Segment Trees (Range Queries, RMQ)

**📌 Phase 3 (Days 57-84): Mock Interviews & Competitive Programming**

**Focus:** Apply concepts to **real-world interview problems**.  
✅ **Week 9**: Hard-Level Graphs & DP (DAG, Topological Sorting, DP + Bitmask)  
✅ **Week 10**: System Design-Oriented DSA (Caching, Rate Limiting)  
✅ **Week 11**: Mixed-Topic Practice (Timed LeetCode Contests)  
✅ **Week 12**: Mock Interviews & Optimization Techniques