6-Step Roadmap to Land a 50 LPA Offer

Step 1: Create a Structured Plan (Excel/Notion/Tracker)

- **Break it into Phases:** DSA, System Design, Resume, and Networking.
- **Columns to Include**: Topics, Resources, Deadlines, Practice Time, and Revision Schedule.
- **Track Progress:** Update completed topics and areas needing improvement.

Step 2: Master Data Structures & Algorithms (DSA)

✅ **Key Topics:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Hashing, Sorting & Searching, Dynamic Programming, Greedy, Backtracking.

✅ **Resources**:

Leetcode (Grind 75, Top Interview 150) for practice.

GeeksforGeeks (GFG) for explanations.

Books: Cracking the Coding Interview, Elements of Programming Interviews.

✅ **Strategy**:

Easy → Medium → Hard progression (Stick to 2-3 problems per topic daily).

Time-bound problem-solving: Learn brute force first, then optimize.

Step 3: Deep Dive into Low-Level Design (LLD)

🚀 **Key Concepts:**

Object-Oriented Design principles (SOLID, DRY, KISS).

Design patterns (Singleton, Factory, Observer, Strategy, etc.).

Real-World Examples: Design BookMyShow, Parking Lot, ATM system.

📚 **Best Resources:**

Head First Design Patterns

Grokking the Object-Oriented Design Interview

System Design playlists on YouTube.

Step 4: Master High-Level Design (HLD)

🔹 **Core Concepts:**

Scalable System Architecture: Monolithic vs. Microservices.

Distributed Systems: Load Balancers, Caching, Sharding, Queues.

Real-World Designs: Instagram, Netflix, URL Shortener.

📌 *Must-Learn Topics*: CAP Theorem, Consistency vs. Availability, Eventual Consistency.

📖 **Best Resources:**

System Design Primer (GitHub)

Designing Data-Intensive Applications

Step 5: Build a Strong Resume & Portfolio

📌 **Key Resume Tips:**

✅ Keep it one page, crisp & ATS-friendly.

✅ Highlight impactful achievements (e.g., “Optimized query performance by 40%”).

✅ *Projects*: Focus on scalability, real-world use cases, and performance improvements.

✅ Use strong action verbs (developed, optimized, scaled, engineered).

✅ Mention tech stack, problem-solving experience, and contributions to large-scale systems.

Step 6: Leverage Referrals & Networking

🔹 **How to Get Referrals?**

- *Optimize LinkedIn & GitHub:* Showcase work and achievements.
- *Engage with recruiters & employees:* Personalized outreach (avoid generic “Hi, can you refer me?”).
- *Build credibility*: Contribute to open-source projects, write tech blogs, participate in hackathons.

📌 *Final Tip*: Mock Interviews are crucial! Use platforms like Interviewing.io, Pramp, and Tech Mock Interviews to simulate real interview environments.

Final Thoughts

This roadmap isn’t just about grinding DSA—understanding scalability, optimization, and real-world architecture is key. The best candidates don’t just solve problems; they design, scale, and optimize systems.