weekly plan

4-Week NMIMS MBA Prep + 12-Week Java Backend SDE Plan

- **Strategy:**
- Feb 1 Feb 27 → Intensive MBA Prep + Light Java & DSA (to maintain momentum)
- 2. Feb 28 May 1 → Full focus on Java Backend + DSA + System Design
- Time Split Until Feb 27:
- MBA Prep (3-4 hrs/day)
- Java Backend & DSA (2-3 hrs/day, to maintain learning progress)

★ Feb 1 - Feb 27: NMIMS MBA Prep + Java/DSA Maintenance

- Focus on MBA Prep while keeping Java & DSA active
- Week 1 (Feb 1 Feb 7)
- MBA:
- VA: Reading Comprehension (2-3 passages daily), Sentence Completion
- LR: Arrangement-based sets, Assumption-Reasoning, Critical Thinking
- MA: Basic Decision-Making & Business Scenarios
- 1 Mock Test (CT)
- Java & DSA (2 hrs/day):
- DSA: Arrays, Strings (15-20 Leetcode problems)
- Java: OOP, Collections, SQL Basics
- Week 2 (Feb 8 Feb 14)
- MBA:

- VA: Inferences, Sentence Rearrangement
- LR: More Critical Reasoning, Puzzles
- MA: Advanced Decision-Making Cases
- 1 Full-Length MBA Mock Test

Java & DSA:

- DSA: Linked Lists, Stacks, Queues (20-25 Leetcode problems)
- Java: REST APIs, Spring Boot Basics

🔭 Week 3 (Feb 15 - Feb 21)

MBA:

- PI Prep: Al Mock Interviews (Daily 30 min)
- Business Awareness: Current Affairs, Industry Trends
- Full-Length MBA Mock Test

◆ Java & DSA:

- DSA: Trees, Graphs (DFS, BFS, 20 problems)
- Backend: Spring Boot (Authentication, JWT)

Week 4 (Feb 22 - Feb 26)

◆ MBA:

- Final Mock PI + Business Case Studies
- Interview Strategy + Common PI Questions
- Final MBA Full-Length Test

Java & DSA:

- DSA: Revision + Medium-Hard Leetcode Problems
- Backend: Finalize Java Basics & Spring Boot Introduction

Feb 27: NMIMS MBA Interview Day!

★ Feb 28 - May 1: Full-Focus Java Backend SDE Prep

✓ Now, full-time Java + DSA + System Design to land a job ASAP

Month 1 (Feb 28 - Mar 31) – Java Core + Spring Boot + DSA Focus

- ◆ DSA: Trees, Graphs, DP, Sliding Window (50-70 Leetcode problems)
- Backend: Spring Boot APIs, JPA/Hibernate, Microservices
- Project: Build a Task Manager API (Spring Boot + PostgreSQL)

Month 2 (Apr 1 - Apr 30) – Advanced Backend + System Design

- DSA: Advanced Graphs, DP, Tries (50-60 problems)
- ◆ Backend: API Rate Limiting, Redis, Database Scaling
- Project: E-commerce Backend (Deployed on AWS)

Month 3 (May 1 - May 31) - System Design + Job Applications

- ◆ **DSA:** Final Leetcode Revision (Interview Patterns)
- ◆ Backend: Advanced System Design (Scalability, Load Balancing)
- ♦ Mock SDE Interviews + Job Applications

Final Strategy

- **▼ Feb 1 Feb 27:** Focus on **NMIMS MBA**, keep Java & DSA active
- ▼ Feb 28 May 31: Full focus on SDE Job Prep (Java, DSA, Projects, System Design)
- Goal: SDE job by May 2024 + MBA admission secured
- Let me know if you need specific resources for Java, DSA, MBA, or Mock Interviews!

40

You said:

yes ineed

ChatGPT said:

ChatGPT

★ Best Resources for Java Backend + DSA + NMIMS MBA Prep

🚀 DSA (Data Structures & Algorithms)

- **✓** Platform for Practice:
 - Leetcode Top 150 Interview Questions
 - Neetcode.io (Structured DSA Guide)
 - CodeStudio (Interview Patterns)
- **▼** Best Video Courses:
 - DSA in Java Kunal Kushwaha (YouTube)
 - Striver's A2Z DSA Course (Take U Forward)
- ✓ Important Topics for SDE Interviews:
 - Arrays & Strings (Sliding Window, Two Pointer, Kadane's Algorithm)
 - Linked Lists, Stacks, Queues (Fast & Slow Pointer, Monotonic Stack)
 - Trees & Graphs (DFS, BFS, Dijkstra, Trie)
 - **Dynamic Programming** (Recursion, Memoization, Tabulation)
- SQL & DBMS (Joins, Indexing, Transactions, Normalization)

Java Backend (Spring Boot, Microservices, System Design)

- ✓ Java Fundamentals:
 - Java OOP + Collections + Multithreading (Java Brains YouTube)
 - Java Concurrency & Multithreading Guide (GeeksforGeeks)

Spring Boot Backend Development:

- Spring Boot Crash Course (Java Brains)
- Microservices with Spring Boot (Amigoscode)
- Database Handling (JPA, Hibernate, PostgreSQL) (Baeldung Guide)
- 🔽 Projects for Portfolio (Highly Recommended)
- 1. Task Manager API (CRUD, Authentication, JWT, Spring Boot, PostgreSQL)
- 2. E-Commerce Backend (Microservices, Caching with Redis, RabbitMQ)
- 3. URL Shortener (System Design Concepts: Caching, Load Balancing)

System Design (For Mid-Level SDE Interviews)

Best Resources:

- System Design Basics (Grokking System Design)
- Backend Architecture & Scalability (<u>DesignGurus YouTube</u>)
- High-Level System Design (HLD) Guide (Alex Xu's Book)

Important Topics:

- Load Balancing, Caching (Redis), Rate Limiting, API Gateway
- Database Scaling (Sharding, Replication), CAP Theorem
- Message Queues (Kafka, RabbitMQ) & Microservices Architecture

NMIMS MBA Interview & Competency Test (CT) Prep

✓ Verbal Ability (VA):

- Reading Comprehension Practice → GMAT Club RC
- Vocabulary & Sentence Completion → Word Power Made Easy Norman Lewis

Logical Reasoning (LR):

- Critical Reasoning Guide → GMAT Critical Reasoning Bible
- Logical Puzzles & Arrangements → Indiabix LR Practice

✓ Managerial Ability (MA):

- Decision Making & Case Studies → IMS Decision Making Guide
- Business Awareness & GK → MBA Current Affairs

✓ AI-Based MBA PI Mock Tests:

- MyInterview Al Practice (Website)
- MBA Mock Interviews (AI & Panelist) (PrepMyCareer)

▼ Full-Length MBA Mock Tests:

- MBAUniverse (Free CT Mock Test) (Website)
- Hitbullseye NMIMS Mock Tests (Hitbullseye)

Final Strategy for Success

- √ Feb 1 Feb 27: Intense MBA Prep while keeping Java/DSA active
- √ Feb 28 May 31: Full Java Backend SDE Preparation
- √ May 2024 Goal: Secure SDE job & MBA admission in NMIMS