

Java Study Timetable

Your Schedule Analysis

- **Work:** 10 AM - 6 PM (8 hours)
- **Gym:** 1 hour
- **GF Time:** 9:30 PM - 12:00 AM (2.5 hours when she's home)
- **Study willingness:** Until 1 AM
- **Mobile Content:** 1 AM - 2 AM (relaxation)
- **Free Days:** Saturday & Sunday

Weekday Schedule (Monday - Friday)

Optimized Daily Schedule

Time	Activity	Duration
8:00 AM - 9:30 AM	Java Study	1.5 hours
9:30 AM - 10:00 AM	Get ready, commute to work	30 min
10:00 AM - 6:00 PM	Work	8 hours
6:00 PM - 7:00 PM	Commute, dinner	1 hour
7:00 PM - 8:00 PM	Gym	1 hour
8:00 PM - 9:30 PM	Java/DSA Study	1.5 hours
9:30 PM - 12:00 AM	GF Time	2.5 hours
12:00 AM - 1:00 AM	DSA Practice/Review	1 hour
1:00 AM - 2:00 AM	Mobile Content (YouTube, social media)	1 hour
2:00 AM onwards	Sleep	-

Alternative Schedule (If Tired After Work)

Time	Activity	Duration
8:00 AM - 9:30 AM	Java Study	1.5 hours
9:30 AM - 10:00 AM	Get ready, commute	30 min
10:00 AM - 6:00 PM	Work	8 hours
6:00 PM - 8:00 PM	Commute, dinner, gym	2 hours
8:00 PM - 9:30 PM	Light Study (videos, reading)	1.5 hours
9:30 PM - 12:00 AM	GF Time	2.5 hours
12:00 AM - 1:00 AM	Quick Review/DSA	1 hour

Time	Activity	Duration
1:00 AM - 2:00 AM	Mobile Content	1 hour

Weekend Schedule (Saturday & Sunday)

Saturday - Deep Study Day

Time	Activity	Duration	Focus
9:00 AM - 11:00 AM	Java/DSA	2 hours	Core concepts, problem solving
11:00 AM - 11:15 AM	Break	15 min	-
11:15 AM - 1:15 PM	MERN Stack Practice	2 hours	React projects, Node.js APIs
1:15 PM - 2:15 PM	Lunch	1 hour	-
2:15 PM - 4:15 PM	Full-Stack Project	2 hours	Build complete MERN applications
4:15 PM onwards	Personal time, gym, family	-	-

Sunday - Practice & Review Day

Time	Activity	Duration	Focus
10:00 AM - 12:00 PM	DSA Practice	2 hours	LeetCode, HackerRank problems
12:00 PM - 12:15 PM	Break	15 min	-
12:15 PM - 2:15 PM	MERN Advanced Topics	2 hours	Redux, authentication, deployment
2:15 PM - 3:15 PM	Lunch	1 hour	-
3:15 PM - 5:15 PM	Portfolio Projects	2 hours	Polish existing projects, new features
5:15 PM onwards	Personal time, gym, family	-	-

Dual-Track Study Plan (Java + MERN)

Phase 1: Java Fundamentals + MERN Practice (Weeks 1-3)

Weekdays (4.5 hrs/day): Intensive Java basics, OOP, collections **Weekends (6 hrs):** MERN stack projects, React advanced patterns, Node.js optimization

Phase 2: DSA Focus + Full-Stack Projects (Weeks 4-6)

Weekdays (4.5 hrs/day): Core DSA concepts, Java problem solving **Weekends (6 hrs):** Complete MERN applications, database optimization, deployment

Phase 3: Java Advanced + MERN Mastery (Weeks 7-8)

Weekdays (4.5 hrs/day): Java advanced topics, multithreading, design patterns **Weekends (6 hrs):** Advanced MERN (Next.js, TypeScript, microservices)

Weekly Time Allocation

Subject	Weekday Time	Weekend Time	Total/Week
Java Fundamentals	15 hours	-	15 hours
DSA	5 hours	2 hours	7 hours
MERN Stack	-	10 hours	10 hours
Total	20 hours	12 hours	32 hours/week

Tips for Success

Morning Study Advantages (Recommended)

- Fresh mind, better retention
- No interruptions
- Consistent routine
- Energy levels are highest

Study Strategies

1. **Pomodoro Technique:** 25 min study + 5 min break
2. **Active Learning:** Code while learning, don't just read
3. **Consistency > Intensity:** Daily 1 hour > weekend marathon
4. **Track Progress:** Maintain a learning journal

Weekend Deep Work

- **Saturday:** Learn new concepts
- **Sunday:** Practice and build projects
- Take regular breaks every 2 hours
- Keep hydrated and well-fed

Flexibility Options

- If you miss morning study, do 30 min during lunch + 30 min evening
- Adjust weekend timings based on personal commitments
- Use commute time for revision (if using public transport)

Resource Recommendations

Java Fundamentals

- Oracle Java Tutorials

- "Head First Java" book
- Codecademy Java course
- Java documentation deep-dive

DSA

- LeetCode (daily 3-4 problems)
- "Cracking the Coding Interview"
- GeeksforGeeks
- NeetCode roadmap

MERN Stack Advanced

- React official docs (new features)
- Next.js documentation
- Node.js best practices
- MongoDB optimization guides
- TypeScript with React/Node
- Deployment: Vercel, Netlify, AWS

Dual Career Path Benefits

Full-Stack Developer (MERN Focus)

- **Frontend:** React, Next.js, TypeScript
- **Backend:** Node.js, Express, MongoDB
- **Plus Java:** Backend versatility, enterprise opportunities

Backend Developer (Java Focus)

- **Java:** Core language, Spring ecosystem
- **DSA:** Strong problem-solving skills
- **Plus MERN:** Modern web development understanding

DevOps/Full-Stack

- **Java:** Enterprise backend systems
- **MERN:** Modern web applications
- **DSA:** System design and optimization

Success Metrics

- **Daily:** Complete planned study hours
- **Weekly:** Finish assigned topics
- **Monthly:** Build one complete project
- **90 Days:** Job-ready portfolio with 3-4 projects