



Placement
Shiksha

● Master the Logic, Crack
the FAANG.

DSA with Java Master Program



More info
www.placementshiksha.com

Call us
+91 89533 08446



CONTENT

DSA Online Training Course

03

Why DSA in 2026?

03

Tools & Languages We Learn

04

Key Course Features

04

Course Curriculum

05

DSA Course Learnings

07

What Roles You Can Play?

07

Certifications

08

Our Students Lifecycle

09

What Makes Us Unique?

10

Other paid services

11

How to enroll with us?

12

What Our Students say?

13

About Us & Our Mission

14

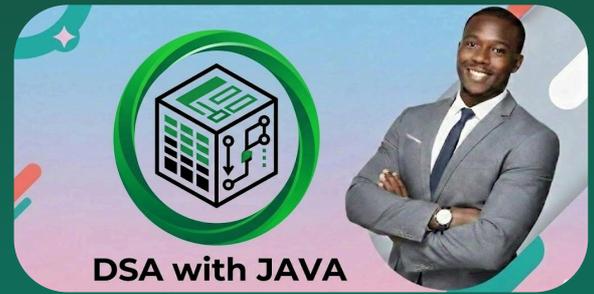
Contact Us

15



DevOps Online Training Course

DSA with Java Master's Program is an elite training ground designed to turn you into a top-tier problem solver. While AI builds the interface, DSA builds the engine. This program is meticulously crafted for those aiming for FAANG and high-growth product-based startups.



You won't just learn to code; you will learn to think in complexities, optimize every byte of memory, and write industrial-grade, high-performance algorithms.

Why DSA with Java?



1 Million+
Jobs Worldwide



\$ 25.5 Billion
expected market growth



120%
average annual growth



₹ 25–65 LPA
average annual salary of an
DevOps expert





Tools We Learn

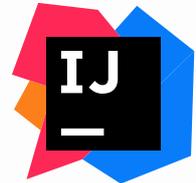


Gradle

sonarlint



GitHub



Key Features

 **500+ Curated Problems:**
Solve a structured roadmap of questions from FAANG.

 **Logic-Building Workshops:**
Memorizing code to master the "Why" behind every algorithm.

 **Weekly Coding Sprints:**
Timed mock contests to simulate high-pressure technical interview .

 **Expert Code Reviews:**
Get personalized feedback on your code's time and space complexity.



The Complete DSA Course

Module 1:

Java Fundamentals for DSA

Topics:

- Java Syntax and Memory Management
- Classes, Objects, and Access Modifiers
- Interface vs. Abstract Classes in Java
- Java Collections Framework Overview
- Exception Handling and Debugging
- Mastering the Java Virtual Machine (JVM)

Module 3:

Linear Data Structures

Topics:

- Arrays: Multi-dimensional and Dynamic Arrays
- Singly, Doubly, and Circular Linked Lists
- Stack: Implementation using Arrays
- Queue: Priority Queues and Deque
- Hashing: HashMaps and Collision Handling
- Strings: Pattern Matching & KMP Algorithm

Module 2:

Complexity Analysis & Basics

Topics:

1. Big O, Big Omega, and Big Theta Notations
2. Time and Space Complexity Trade-offs
3. Best, Average, and Worst Case Analysis
4. Analysis of Iterative and Recursive Loops
5. Master Theorem for Recurrence Relations
6. Sorting and Searching Algorithm Basics

Module 4:

Recursion & Backtracking

Topics:

- Fundamentals of Recursive Thinking
- Tail Recursion vs. Tree Recursion
- Divide and Conquer Methodologies
- Backtracking: N-Queens and Sudoku Solver
- Generating Subsets and Permutations
- Recursive Space Complexity Analysis

The Complete DSA Course

Module 5:

Non-Linear Data Structures

Topics:

- Binary Trees: Properties and Traversals
- Binary Search Trees: CRUD Operations
- AVL Trees and Red-Black Tree Concepts
- Segment Trees and Fenwick Trees
- Heap Data Structure and Heap Sort
- Trie: Implementation and Prefix Search

Module 7:

Advanced Graph Theory

Topics:

- BFS and DFS: Graph Traversals
- Shortest Path: Dijkstra and Bellman-Ford
- Minimum Spanning Trees: Prim's and Kruskal's
- Topological Sorting and DAGs
- Cycle Detection in Directed & Undirected Graphs
- Strongly Connected Components (Tarjan's)

Module 6:

Dynamic Programming

Topics:

- Memoization vs. Tabulation Approaches
- 1D DP: Fibonacci and Climbing Stairs
- 2D DP: Knapsack and Matrix Chain Multiplication
- DP on Strings: Longest Common Subsequence
- DP on Trees and Bitmasking Techniques
- Optimization Techniques in DP Problems

Module 8:

Competitive Programming & LLD

Topics:

- Sliding Window & Two-Pointer Techniques
- Greedy Algorithms and Huffman Coding
- Bit Manipulation and Math for Coding
- Low-Level Design Principles
- Design Patterns for Technical Interviews
- Mock Interview: Cracking the Google/Amazon Style

DSA Course Learnings

- Solve complex problems using the efficient data structures.
- Reduce code execution time and memory usage.
- Master the Java Collections Framework for enterprise coding.
- Implement advanced patterns like DP, Greedy & Backtracking.
- Write clean, ready code using SOLID & LLD principles.

What roles you can play?

Software Development Engineer: Design and build scalable software solutions for global product companies to ensure smooth functionality.

Backend Developer: Specialized in cloud platforms, Architect high-performance server-side logic and manage data flow efficiency.

Competitive Programmer: Solve high-level algorithmic challenges in global coding competitions and hackathons.

System Architect: Orchestrates the entire robust technical infrastructures using Low-Level and High-Level Design principles.

Technical Lead: Focuses on managing engineering teams by ensuring code quality and algorithmic efficiency across projects.

R&D Engineer: Provides expert consultation and work on cutting-edge research and optimization in fields like Search Engines and AI.

CERTIFICATION



4.9 Average Rating



6500+ students got job



45000+ Satisfied Learners



800+ Qualified trainers

Our Alumni WORK at

ORACLE

amazon

Infosys®

SAMSUNG

IBM

tcs

Google

acer



Red Hat



Microsoft

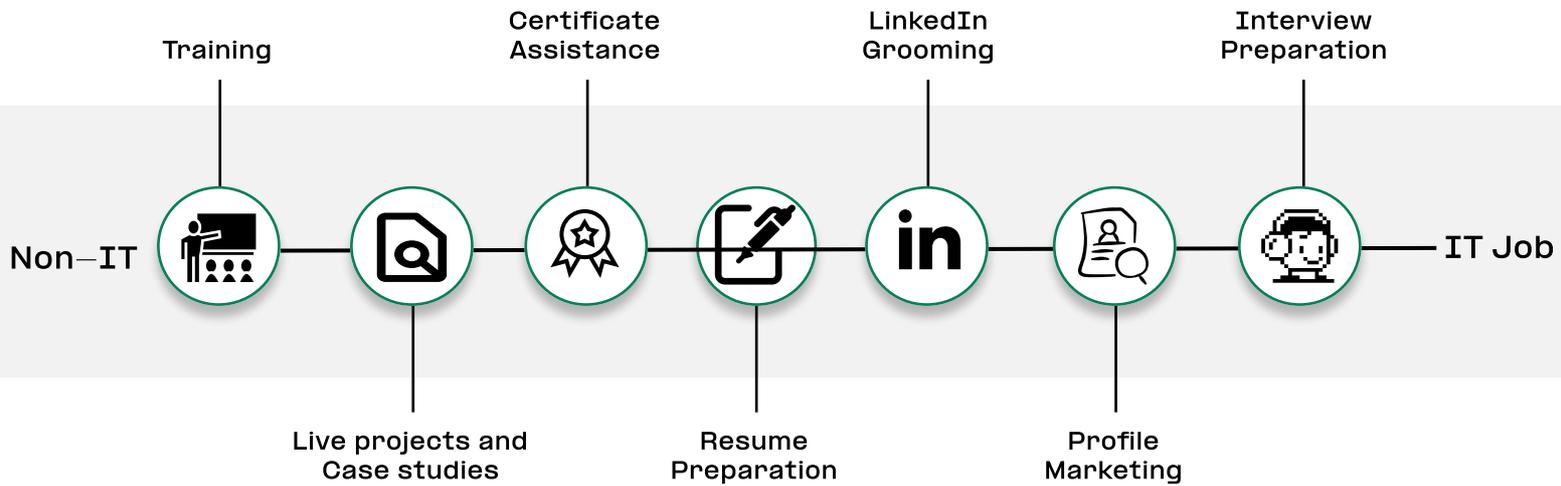
CISCO

NETFLIX

accenture



Our Students Lifecycle



Who can Apply For Our Courses?

This course suggests an intensive "bootcamp" style approach, designed to take a student from basic coding to "job-ready" status by combining theoretical computer science with modern, industry-standard tools.



Professionals who want to upskill.



Freshers who want to get IT Jobs.



Managers who want to learn tech skills.



Aspirants who want to get into IT from Non IT.

What Make Us Unique



800+
Qualified Trainers



300+
Hiring partners



90%
average annual salary hike



7500+
Students got placed

Our Career Services



Industry-First Curriculum:
Bridging the gap between academia and real-world engineering.



Architectural Focus:
Learning to build scalable systems rather than just writing code.



Dual Core Mastery:
Prioritizing both DSA and System Design as your career foundation.



Career-Ready Rigor:
Ensure you ace top-tier technical interviews.



Specialized Electives:
Nine distinct paths, from GenAI to DevOps, to tailor your career.



Holistic Tech Exposure:
A 360-degree view of the lifecycle, from backend to leadership.



Intensive 6-Month Sprint:
Condensing years of experience into one high-impact semester.



Outcome-Driven Learning:
Education designed with the singular goal of placement.



Our other paid Services

1-on-1 Mentorship:

Personalized, bi-weekly strategy sessions with senior engineers from top tech firms.

Elite Referral Network:

Direct access and internal referrals to 200+ partner companies and startups.

Mock Interview Loops:

Simulated technical and behavioral rounds with real-time feedback from experts.

Portfolio Audit:

Professional review of your GitHub and projects to ensure they meet production standards.

Lifetime Alumni Access:

Ongoing entry to our private community, job boards, and updated course materials.

Resume & LinkedIn Polish:

Expert optimization of your professional profiles to beat automated ATS filters.

HOW TO ENROLL WITH US?

01

You can check our website and book a demo

02

Leave your contacts for us and we will reach you.

03

Call or leave a message on Whataspp anytime





Ishaan



"The placement training at Placent Shiksha was a game-changer for me. The instructors are highly skilled and helped me bridge the gap between academic knowledge and industry requirements. I'm now successfully placed in a top-tier firm!"



Arjun



"I am incredibly grateful to the team at Placent Shiksha. They don't just teach; they mentor you through every step of the interview process. Their mock interviews and resume-building sessions gave me the confidence to land my dream job."



Sanya



"The courses are well-structured and highly engaging, focusing on real-world scenarios. Placent Shiksha played a pivotal role in my professional development, and I highly recommend them to any lifelong learner looking to level up."



Deshmukh



"Choosing Placement Shiksha was the best decision for my career. The placement cell is proactive and truly cares about your success even after the course ends. I felt respected and supported throughout my entire journey here."

What our students Say?





About Placement Shiksha

Placement Shiksha is a premier career-tech platform dedicated to bridging the gap between academic learning and professional employment.

Why Choose Us?

- **Industry-Aligned Training:** Master the technical and soft skills actually demanded by today's recruiters.
- **Personalized Mentorship:** Learn directly from experts at top MNCs and high-growth startups.
- **End-to-End Support:** From ATS-friendly resume building to mock interviews, we guide you through every step of the hiring funnel.
- **Direct Placements:** Gain exclusive access to our extensive network of hiring partners.

Our Mission

Our mission is to democratize career success by transforming every candidate into a job-ready professional. We bridge the gap between academic learning and corporate expectations through accessible, high-quality training and expert mentorship.

