Mindluster Platform

About the course Data Structures and Algorithms

Data Structures and Algorithms Course â€“ In this course, we will learn about Data Structures and Algorithms (DSA), essential for efficient problem-solving and software development. You will explore fundamental data structures such as arrays, linked lists, stacks, queues, trees, graphs, and hash tables, understanding their properties, use cases, and implementation. The course also covers key algorithmic techniques including sorting, searching, recursion, dynamic programming, greedy algorithms, and graph traversal methods like BFS and DFS. You will learn how to analyze algorithm efficiency using Big O notation and optimize performance for real-world applications. Through practical coding exercises and problem-solving strategies, this course prepares you for technical interviews and competitive programming. Whether you are a beginner or looking to strengthen your DSA skills, this course provides a solid foundation for designing scalable and efficient software solutions.

Programming Category's Courses

Course Lesson(5)

Lesson 1 : **Basic Data Structures and Algorithms in Java 9 The Course Overview | packtpub com**

Lesson 2 : **Basic Data Structures and Algorithms in Java 9 Arrays | packtpub com**

Lesson 3 : **Basic Data Structures and Algorithms in Java 9 Stack | packtpub com**

Lesson 4 : **Basic Data Structures and Algorithms in Java 9 Recursive Algorithms | packtpub com**

Lesson 5 : **Basic Data Structures and Algorithms in Java 9 Search Algorithms | packtpub com**

Related courses

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