

1. Uninformed Search Algorithms

- Linear Search (Sequential Search)
- Binary Search
- Breadth-First Search (BFS)
- Depth-First Search (DFS)
- Uniform-Cost Search (UCS)
- Depth-Limited Search
- Iterative Deepening Search (IDS)
- Bidirectional Search

2. Informed (Heuristic) Search Algorithms

- Best-First Search
- A* Search
- Greedy Best-First Search
- Beam Search
- Hill Climbing
- Simulated Annealing
- Iterative Deepening A* (IDA*)
- Recursive Best-First Search (RBFS)

3. Local Search Algorithms

- Tabu Search
- Genetic Algorithms
- Random Search
- Simulated Annealing
- Gradient Descent

4. Exponential Search Algorithms

- Exponential Search
- Jump Search

5. Interpolation and Adaptive Search Algorithms

- Interpolation Search
- Fibonacci Search

6. Hash-Based Search

- Hash Search

7. Tree-Based Search Algorithms

- Binary Search Tree (BST) Search
- AVL Tree Search
- Red-Black Tree Search
- B-Tree Search

8. Probabilistic Search Algorithms

- Randomized Search
- Las Vegas Algorithm
- Monte Carlo Search

9. Pattern Matching Algorithms

- Knuth-Morris-Pratt (KMP) Algorithm
- Rabin-Karp Algorithm
- Boyer-Moore Algorithm
- Aho-Corasick Algorithm

10. Search Algorithms in Graphs

- Dijkstra's Algorithm
- Bellman-Ford Algorithm
- Floyd-Warshall Algorithm
- Prim's Algorithm
- Kruskal's Algorithm