DSA-https://takeuforward.org/strivers-a2z-dsa-course/strivers-a2z-dsa-course-sheet-2

PLATFORM-LEETCODE,HACKERRANK

OOPS-https://www.geeksforgeeks.org/java/object-oriented-programming-oops-concept-in-java/
PLATFORM-VS CODE

DBMS-https://www.w3schools.com/sql/sql_intro.asp

PLATFORM—HACKERRANK

APTITUDE-https://www.youtube.com/@FeelFreetoLearn

HTML,CSS,JS
1.Personal Portfolio Website
2.Simple Calculator
3.To-Do List

DSA

Sure! Here's the DSA topics in the correct learning order:

1. **Time and Space Complexity**
2. **Arrays**
3. **Strings**
4. **Recursion**
5. **Sorting Algorithms**
    - **Bubble, Selection, Insertion**
    - **Merge Sort, Quick Sort**
6. **Searching Algorithms**
    - **Linear Search**
    - **Binary Search**
7. **Linked Lists**

- **Singly Linked List**
- **Doubly Linked List**
- **Circular Linked List**

8. **Stacks**
9. **Queues**
    - **Simple Queue**
    - **Circular Queue**
    - **Priority Queue**
    - **Deque**
10. **Hashing / HashMap / HashSet**
11. **Two Pointers & Sliding Window Techniques**
12. **Mathematics for DSA**

- **Prime numbers, GCD, LCM, Modular Arithmetic**

13. **Bit Manipulation (Basics)**
14. **Trees**

- **Binary Tree**
- **Binary Search Tree (BST)**
- **Tree Traversals**
- **LCA, Height, Diameter, Balanced Trees**

15. **Heaps (Min Heap / Max Heap)**
16. **Graphs**

- **Representation (Adjacency List/Matrix)**

- **BFS, DFS**
- **Topological Sort**
- **Dijkstra's Algorithm**
- **Cycle Detection**

17. Greedy Algorithms

18. Backtracking

- **N-Queens, Sudoku Solver, Subsets, Permutations**

19. Dynamic Programming

- **Memoization & Tabulation**
- **0/1 Knapsack, LIS, LCS, etc.**

20. Tries (Optional but Useful)

21. Disjoint Set / Union-Find (Optional)

22. Segment Tree / Fenwick Tree (Optional, Advanced)