- **Week 1**
  - Mathematics
  - Basic Recursion
  - Arrays: Searching, Sorting, Deleting, Shift, Rotation, Prefix Sum...

- **Week 2:**
  - Bit Magic
  - Matrix: Search, Delete, Insert, Rotate...
  - Searching: Linear Search, Binary Search, Two pointer approach…

- **Week 3:**
  - Sorting: QuickSort and its variation, Mergesort, Counting sort, Insertion Sort, Heap Sort, Comparator
  - Hashing: Different Types of Hashing Techniques, Collision resolution Techniques, Hashing Questions

- **Week 4:**
  - Strings: Basic Operations, Naive Pattern Search, Other searching algorithms.
  - Linked Lists: Singly Linked List, Doubly Linked Lists, Circular Linked List, Skip List, Doubly Circular

- **Week 5:**
  - Stacks: Stack Operations, Implementation, Different Questions

- Queues: Queue Operations, Implementation, Different Questions, Deque Operations, Implementation, Different Questions.

- **Week 6:**
  - Tree: Binary Tree, Tree Traversal
  - Binary Search Tree: Search, Insert, Delete and other important questions, AVL (Basic Introduction)

- **Week 7:**
  - Heaps: Binary Heap, Questions based on heaps.
  - Graphs: Types of Graphs, BFS, DFS, Cycle Detection, Connected Components, Bipartite Graph

- **Week 8:**
  - Recursion and Backtracking: Backtracking questions, n queen, rat, knight etc.
  - Dynamic Programming: Properties (Top Down, Bottom Up, Optimal Substructures, Overlapping Subproblems).

- **Week 9:**
  - Graph Algorithms
    - Shortest Path Algorithms
    - Connected Components
    - Bridges

- **Week 10:**
  - Trie
  - Segment Tree
  - Disjoint Set