**All different types of Algorithms –**

**You should be knowing all the algorithms listed below, very well.**

1. Binary Search

Average Time Complexity = O(log n)  
Space Complexity = O(1)

Effectively finds a numbers in a array

2. Two Pointer

Average Time Complexity = O(n)  
Space Complexity = O(1)

Make two pointers in the array and traverse it, according to you

3. Kadane's Algorithm

Average Time Complexity = O(n)  
Space Complexity = O(1)

You can find the maximum sum of a subarray

4. Prefix Sum Array

Average Time Complexity = O(n)  
Space Complexity = O(n)

Computes the cumulative sum of elements in an array