## Day17 - Feb 22nd 2024

- 1. Started my day by praying to god as it was thursday
- 2. Cooked food for all in my room
- 3. Marketed my profile for data engineering jobs and sent linkedin requests to data engineers on linkedin

## 4. Started solving DSA questions on these patterns

If input array is sorted then

- Binary search
- Two pointers

If asked for all permutations/subsets then

- Backtracking

If given a tree then

- DFS
- BFS

If given a graph then

- DFS
- BFS

If given a linked list then

- Two pointers

If recursion is banned then

- Stack

If must solve in-place then

- Swap corresponding values

Store one or more different values in the same pointer

asked for maximum/minimum subarray/subset/options then

- Dynamic programming

If asked for top/least K items then

- Heap
- QuickSelect

If asked for common strings then

- Map
- Trie

- 5. Started Binary search playlist on leetcode and solved two problems and will be consistent on leetcode from now on
- 6. Ended my day by solving Complex SQL question from Ankit YT channel

