**Week 20**

**Name:**

**Mobile:**

| **Personal Development Workouts** |
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| 1. Watch the movie “Catch Me If You Can”. 2. Create a resume for yourself. |
| *Write a short description about this task*  *Link to the folder containing your audio summary* |
| *Write a short description about this task*  *Link to your resume* |

| **Technical Workouts** |
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| 1. Complete your project according to the instructions. |
| *Write a short description about this task* |

| **Data Structure Workouts** |
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| 1. Learn the concepts of Graph. Complete at least three sample workouts.   Example:   1. Learn the construction of a graph. 2. Solve the below problem: You’re given a two-dimensional array (a matrix) of potentially unequal height & width containing only 0’s & 1’s. Each 0 represents land, and each 1 represents part of a river. A river consists of any number of 1’s that are either horizontally or vertically adjacent (but not diagonally adjacent). The number of adjacent 1’s forming a river determine its size.   Note that a river can twist. In other words, it doesn’t have to be a straight vertical line or a straight horizontal line; it can be L-shaped, for example.  Write a function that returns an array of the sizes of all rivers represented in the input matrix. The sizes don’t need to be in any particular order.   1. Do at least 3 problems each for every structure from any competitive coding websites (Hacker Rank, Code Chef, Leet code, Algo Expert, etc.) |
| *Write a short description about this task*  *Link to the folder containing code and screenshot of the output* |

| **Miscellaneous Workouts** |
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| 1. Practice typing for at least one hour each day. Finish as many chapters as possible as you can. Don’t spend more than an hour each day. 2. Prepare a topic for the tech seminar. Record and upload it on youtube as an unlisted video. 3. Conduct a Feedback session by the end of this week. 4. Prepare your progress video for the last week. Record and upload it on youtube as an unlisted video. |
| *Write a short description about this task*  *Link to screenshot image* |
| *Write a short description about this task*  *Link to your seminar video* |
| *Link to the document containing notes for your feedback session* |
| *Write a short description about this task*  *Link to your progress video* |