Data Structures & Algorithm

Are they important?

- They are the foundations of building software, almost to what the brick is to a house.
- Performance tuning for your code through analysis. You can easily spot patterns like O(n*n).
- **Often used for testing engineers in interviews.**
  - ⚠️This should not be the motivation as much as this is what actually motivates > 70% of developers that find themselves on sites like Leetcode.

Practice Sites

- https://hackerrank.com
- https://leetcode.com
- https://pramp.com - Practice Makes Perfect

Other resources

-
- **Prof. Abdul Bari ->** https://www.youtube.com/watch?v=0IAPZzGSbME&list=PLDN4rrl48XKpZkf0 3iYFl-O29szjTrs_O
- https://www.youtube.com/c/BackToBackSWE
- https://www.coursera.org/learn/algorithms-part1#syllabus
- https://www.coursera.org/learn/algorithms-part2#syllabus
- https://www.techinterviewhandbook.org/
- https://github.com/csklub <- our curated list of resources
- http://bored.black – my Youtube channel (~11 videos)
- https://www.youtube.com/@ByteByteGo/videos
- http://jeffe.cs.illinois.edu/teaching/algorithms/

Demo

- https://replit.com/@0xnandaa/CongoMeetup?v=1

Next Engagement

- CSKlub - http://csklub.com