CP:
- https://www.youtube.com/watch?v=OMcxQ3IY-qc&list=PLauivoElc3ggagradg8MfOZreCMmXMmJ-

Try to do ladder along with these videos:
- A2OJ Ladder 5
- https://earthshakira.github.io/a2oj-clientside/server/Ladder6.html

You can also make contest on vjudge and give contest among your friends and then discuss problems among your friends . That is also one great way .

You can also go to problemset and set the problems rating to your min as your rating and max to 300+ your rating like no need to do question having rating less than yours.

Try to practice more and more problems !!

Give regular contest on codeforces, codechef and atcoder and discuss question with ur friends after contest.

DSA:
- For dp , trees and graph you can refer to striver videos.
- InterviewBit /  Luv Babbar 450 problem (You can do either if you have time you can do both)
- CSES ( dp+ graph)
- Try to practice dp and graph more as they are more asked in interviews.

Some advanced Topics:
Segment Tree, KMP , Binary Lifting , Trie , Euler tour .

Additionals: (Do this in summer break but these all are mandatory most companies ask OS too.)

OOPS:
- https://www.youtube.com/watch?v=Iuo9PpGE04Y&list=PLLYz8uHU480j37APNXBdPz7YzAi4XlQUF

OS:
- https://www.youtube.com/playlist?list=PLDzeHZWIZsTr3nwuTegHLa2qlI81QweYG
- https://www.geeksforgeeks.org/operating-systems/
- https://www.geeksforgeeks.org/last-minute-notes-operating-systems/

PUZZLES:

- https://www.geeksforgeeks.org/top-100-puzzles-asked-in-interviews/
- https://brainstellar.com/ (Try to do all Easy and medium puzzles and some hard too )

Quant: Do only if you are done with all the above stuffs. They are way more important !!

- Probability and Statistics:
  - Stat110 by Harvard - Watch the 30 or so lecture videos for a solid understanding.
  - Lecture Notes Stat110 - Lecture notes for a quick refresher of prob stats
- Linear Algebra
  - Gilbert Strang's Linear Algebra Course - A good course for refreshing Linear Algebra
  - CS229-Lecture notes - Some good notes for Linear Algebra
- Question Practice
  - 50 Challenging Problems in Probability - Good set of puzzles based on probability
  - Heard On the Street - Set of quant questions asked in various Wall street interviews
  - Xinfeng Zhou (A Practical Guide to Quantitative Finance Interviews) (Chapter 2 and 4 very much important)

**C++ for HFTs:**

- https://stackoverflow.com/questions/3064559/how-is-vector-implemented-in-c (Mostly asked in Quant Interviews)

- https://codefreakr.com/how-is-c-stl-implemented-internally/#:~:text=Vector%20is%20implemented%20as%20a,array%20with%20a%20default%20size.

- https://stackoverflow.com/questions/31112852/how-stdunordered-map-is-implemented

- https://stackoverflow.com/questions/6292332/what-really-is-a-deque-in-stl

- https://www.geeksforgeeks.org/shallow-copy-and-deep-copy-in-c/

- https://pabloariasal.github.io/2017/06/10/understanding-virtual-tables/

- [https://www.geeksforgeeks.org/templates-cpp/](https://www.geeksforgeeks.org/templates-cpp/)

- [https://docs.microsoft.com/en-us/cpp/cpp/namespaces-cpp?view=msvc-170](https://docs.microsoft.com/en-us/cpp/cpp/namespaces-cpp?view=msvc-170)

- [https://en.cppreference.com/w/cpp/filesystem](https://en.cppreference.com/w/cpp/filesystem)

- [https://www.youtube.com/watch?v=UOB7-B2MfwA](https://www.youtube.com/watch?v=UOB7-B2MfwA)

- [https://www.youtube.com/watch?v=eSI4wctZUto](https://www.youtube.com/watch?v=eSI4wctZUto)

- [https://www.geeksforgeeks.org/implement-min-heap-using-stl/](https://www.geeksforgeeks.org/implement-min-heap-using-stl/)

Feel free to dm if you have any questions.