

More Resources

DSA

Practice

- [Leetcode Must do easy](#)
- [Leetcode Must do medium](#)
- [Leetcode Must do](#)
- [InterviewBit](#)
- [CSES](#)
- Attend Codeforces contests, Atcoder Beginner Contest, Codechef contest, Leetcode weekly and bi-weekly contests

Learning

- [Cp-algorithms](#)(Good for learning new concepts and has practice questions too)
- [USACO Guide](#) (Useful for learning):
- MIT 6.006 for a proper academic course on algorithms: [link](#)

Video tutorials

- [Graph Algos \(William Fiset\)](#)
- [DP \(Karthik Arora\)](#)
- [DP \(Aditya Verma\)](#)
- [Various topics\(by Nitin Gupta\)](#) (In hindi, if you can understand do check it out)

OS

- OSTEP book: [link](#)
- [GFG](#) (For brief intro to most of the os topics)

C++ and OOP concepts

- [learncpp.com](#)
- For OOP see [learncpp.com](#) chapter 13, 17, 18.

- For learning better C++ Standard Template Library(Many Data Structures and Algorithms are already implemented in C++) : See Chapter 21 of learncpp.com

Topics to study for Computer Organization

- Memory Hierarchy, Primary Memory ,Secondary Memory
- Cache
- Virtual Memory
- Segmentation and Paging
- Page replacement policies
- Instruction pipelining, Pipeline stages and Pipeline Hazards

These should be enough for intern. You can explore more if you wish to.