

Competitive Programming

Sites to Practice/Compete

There are many sites where you can practice and develop your CP skills. Here are some of the most well-known practicing and competing sites:

- [Codeforces](#)
- [AtCoder](#)
- [CodeChef](#)
- [CSES](#)
- [LeetCode](#)
- [Binary Search](#)
- [HackerRank](#)
- [HackerEarth](#)
- [SpQJ](#)
- [Google's Coding Competitions](#)
- [CS Academy](#)
- [Kattis](#)
- [TopCoder](#)
- [CodeWars](#)
- [Project Euler](#)
- [Timus](#)
- [PQJ](#)
- [Toki](#)
- [USACO](#)
- [Library Checker](#)
- [CodinGame](#)

These sites provide world-class resources for training and any hardworking individual can make it big with continuous practice and effort. To stay up-to-date about upcoming contests, one can use [this](#) site.

Resources

From beginner level content to really advanced DSA and techniques, these are some of the most well-known resources one can refer to.

Reading

- [CP Algorithms](#)
- [Introduction to Algorithms - CLRS](#)
- [The Algorithm Design Manual - Skiena](#)
- [Algorithms - Sedgewick](#)
- [DSA Dictionary](#)
- [CP Handbook - Antti Laaksonen](#)
- [Principles of Algorithmic Problem Solving](#)
- [Competitive Programming 2 - Steven and Felix Halim](#)
- [Performance Engineering](#)

- [Hitchhiker's Guide to Programming Contests](#)
- [Computation Geometry](#)
- [Introduction to Probability](#)
- [Linear Algebra and its Applications](#)
- [Geeks for Geeks](#)

Watching

- [William Fiset](#)
- [MIT OCW Introduction to Algorithms](#)
- [MIT OCW Advanced Algorithms](#)
- [Errichto](#)
- [SecondThread](#)
- [Galen Colin](#)
- [Algorithms Live](#)
- [Tushar Roy](#)
- [Gaurav Sen](#)
- [code report](#)
- [Harvard CS50](#)
- [Jenny's Lectures](#)
- [FreeCodeCamp](#)

Extras

- [Literally everything...](#)
- [Personal CP Blog of Shahjahal Shohag](#)
- [Codeforces Problem list by Topic](#)
- [DP Resource list](#)
- [CP Wiki](#)
- [Short statement, cool problems](#)
- [Kactl](#)
- [Binary search is the only algorithm required for reaching Grandmaster](#)