

LIST OF AWESOME LEARNING RESOURCES

COMPETITIVE PROGRAMMING

- [HackerRank](#) - Solve code challenges to prepare for programming interviews.
- [HackerEarth](#) - Solve code challenges to help companies find innovative solutions for their businesses.
- [CodeChef](#) - Non-profit competitive programming platform.
- [TopCoder](#) - Participate in code challenges and help solve real world problems.
- [CodeForces](#) - Russian website dedicated to competitive programming.
- [ProjectEuler](#) - Solve computational and mathematical problems using your programming skills.
- [Spoj](#) - Programming contests with online judging system.
- [InterviewBit](#) - A platform to learn and practice coding interview questions.
- [VisuAlgo](#) - Visualizing data structures and algorithms through animation.
- [LeetCode](#) - Develop programming skills for your next interview.
- [FireCode](#) - An online coding interview preparation.
- [CodeWars](#) - Code challenges platform to level up your skills.
- [CodinGame](#) - Learn to code by playing games.
- [CodeForces](#) - Online platform that hosts competitions and problem sets
- [DailyProgrammer](#) - Solutions to programming challenges, peer reviewed with community feedback.
- [CodeFights](#) - Practice programming and land a job.
- [UVa](#) - Programming contests with online judging system.
- [Stanford ACM ICPC](#) - Stanford [Notebook](#) provides printable templates usable during online/on-site contests.
- [Exercism](#) - Solve programming challenges from your terminal.
- [DailyCodingProblem](#) - Get exceptionally good at coding interviews by solving one problem every day.
- [acmp.ru](#) - Russian programming contests
- [Timus Online Judge](#) - Programming contests with online judging system.
- [DMOJ: Modern Online Judge](#) - contest platform and archive of programming problems
- [Rose Code](#) - Programming challenges with leaderboards and blog posts
- [Coderbyte](#) - Programming challenges and specific routes to help learn specific skills
- [Code Golf](#) - Programming challenges with individual leaderboards for problems
- [Daily Coding Problem](#) - Get emailed a new coding problem every day
- [Halite](#) - Create AI to face off against other people's AI. More specialized on AI
- [Advent of Code](#) - A yearly set of coding challenges that published with leaderboards

WEB DEVELOPMENT

- [Learn Enough to Be Dangerous](#) - Free online coding tutorials on JavaScript, Ruby, Rails, CSS and more.
- [FreeCodeCamp](#) - Coding tutorials and challenges.
- [Thimble](#) - Free online code editor, web server, web browser & developer tools.
- [NodeSchool](#) - Open source workshops that teach web software skills.
- [The Odin Project](#) - A full free open source coding curriculum.
- [Egghead](#) - Video tutorials on popular JavaScript frameworks.
- [Codecademy](#) - Free and premium interactive tutorials for various languages.
- [CodeSchool](#) - Combination of video and interactive tutorials.
- [MDN web docs](#) - Web development articles by Mozilla.
- [W3Schools](#) - Tutorials on HTML, CSS, JavaScript and more.
- [Eloquent JavaScript](#) - An online book about JavaScript.
- [Coder-Coder](#) - Tutorials on Web Development from basics including HTML, CSS, JavaScript and more.
- [CodeCraft](#) - Provide Web Development Courses on JavaScript, AngularJS, Angular 5 for free.
- [Scrimba](#) - Provides Web Development Courses with a unique feature of live interaction with the instructor's code.
- [FrontendMasters](#) - In-depth and advanced video tutorials on Frontend Development from experts in the industry.

MOBILE DEVELOPMENT

- [Udacity Android Nanodegree](#) - Students can also apply for [scholarship](#) given by Google.
- [Android Developer Training](#) - Range of courses to help you build Android apps.
- [Vogella](#) - Tutorials about Android development.
- [Android Hive](#) - Android tutorials blog.
- [iOS development](#) - Build your first iOS app with an Udacity course.

DEVOPS

- [DevOps Bootcamp](#) - Course dedicated to teach core software development and systems operation skills.
- [Google IT Support Course](#) - Google course to prepare you for a job in IT support.

DATA SCIENCE

- [Kaggle](#) - Data science competitive platform.
- [DataQuest](#) - Learn data science with your browser.
- [DataCamp](#) - Learn data science online.
- [DrivenData](#) - Participate in data science competitions and help organizations.
- [Analytics Vidhya](#) - Training and Q&A platform based around data science.
- [fast.ai](#) - Deep Learning with only prerequisite being general coding skills.
- [TunedIT](#) - Data Mining competitions.
- [Data Science Central](#) - the online resource for big data practitioners.
- [KPMG Data Science Virtual Internship](#) - learn data science from a Big 4 accounting firm and how it's used in industry.

ARTIFICIAL INTELLIGENCE

- [Siraj Raval](#) - YouTube channel with tutorials about AI.
- [Sentdex](#) - YouTube channel with programming tutorials.
- [Two Minute Papers](#) - Learn AI with 5 mins videos.
- [Andrej Karpathy](#) - Old blog about AI, now posting on [Medium](#).
- [iamtrask](#) - Machine Learning blog.
- [colah's blog](#) - Blog about neural networks.
- [Google Machine Learning Course](#) - A crash course of machine learning taught by Google Engineers
- [Google AI](#) - Learn from ML experts at Google

COMPUTER SCIENCE

- [BaseCS](#) - Explains computer science basics in easy-to-digest articles. Also in [podcast](#) format.
- [Tutorials Point](#) - tutorials for technologies like web, mobile and many more.
- [Introduction to Computer Science - CS101](#) - introduction to computer science in python language.

OPEN SOURCE

- [Up For Grabs](#) - Start exploring open source projects and get involved in them.
- [24 Pull Requests](#) - Yearly initiative to encourage developers to send 24 pull requests during December.
- [HacktoberFest](#) - Similar to 24PullRequests, gives swag for 4 accepted pull requests.
- [OpenHatch](#) - Non-profit providing tools for new open source contributors.
- [First Timers Only](#) - Beginners-friendly open source projects.
- [Your First PR](#) - Helps you make a contribution by showcasing great starter issues on Github.
- [Awesome For Beginners](#) - A list of awesome beginners-friendly projects.
- [CodeTriage](#) - Pick your favorite projects to receive a different issue in your inbox every day.

- [Open Source Friday](#) - Helps you find a project to contribute to.

INFOSEC

How to start? - blogs

- [Beginner Bug Bounty Hunters resources](#)- Collection of resources to build up the basics of Web Application Security
- [Getting Started in Bug Bounty Hunting](#) - What You Should Know Before Starting to learn about Bug Bounty Hunting?
- [Getting started in Bug Bounty](#) - How to get started in Bug Bounties
- [How to get started with bug Bounty?](#) - What you need to learn before getting started with bug bounty
- [METHODOLOGY , TOOLKIT , TIPS & TRICKS](#) - A complete bug bounty blog for beginners

Recon

- [Recon - by Sahil Ahamad](#) - Blog post on reconnaissance processes for web applications security testing
- [Recon - by Adrien](#) - What tools I use for my recon during Bug Bounty

MOOCS

- [Udacity](#) - Free and paid online classes.
- [Coursera](#) - Courses from schools and universities like Stanford and Yale.
- [Udemy](#) - Online learning and teaching platform.
- [edX](#) - Free online courses from institutions like Harvard, MIT, Microsoft and more.
- [Codecademy](#) - Online learning platform for coding.
- [MIT OPENCOURSEWARE](#) - Browse and learn with free MIT courses' material.
- [Microsoft Virtual Academy](#) - Free courses on IT basic concepts and Microsoft products and services.
- [Awesome Courses](#) - List of awesome university courses for learning Computer Science.
- [Lynda](#) - Online learning platform.
- [Stanford Online](#) - Stanford's courses platform.
- [Pluralsight](#) - Paid learning platform made to help you build your career or land a job.
- [Khan Academy](#) - Free online learning platform.
- [Sololearn](#) - Learn coding from the ground up for free!! (also available on android)
- [Y Combinator](#) - Learn how engineering works at a Y Combinator startup
- [MOOC.fi](#) - Free courses from the University of Helsinki's Department of Computer Science.

FELLOWSHIPS/SCHOLARSHIPS

- [Developer Scholarship from Google](#) - Link for Indian students (Others click [here](#)).
- [Scholarship Opportunities at Google](#) - Google's scholarship opportunities.
- [Microsoft Scholarship Program](#) - For students at US/Canada/Mexico only.
- [Thiel Fellowship for young innovators](#) - Intended for students under 23yo and offers a total of \$100,000 and guidance to drop out of school and pursue other work.
- [The Facebook Fellowship Program](#) - Designed to encourage promising doctoral students who are engaged in areas related to computer science.
- [NVIDIA Graduate Fellowships](#) - Fellowship for AI,ML students.
- [S.N. Bose Scholars Program](#) - For Indian Students.
- [Richard E. Merwin Student Scholarship](#) - For IEEE members.
- [The Data Science for Social Good Fellowship](#) - It is a University of Chicago summer program to train aspiring data scientists to work on data mining, machine learning, big data, and data science projects with social impact.
- [The Data Incubator](#) - The Data Incubator is an 8-week educational fellowship preparing students with Master's degrees and PhDs for careers in big data and data science.
- [Kleiner Perkins Fellow - Engineering](#) - Kleiner Perkins Fellows program matches accepted fellows up with their partnering Silicon Valley startups over the summer.
- [Cern Openlab Summer Student Programme](#) - CERN openlab is a 2 month long student program where students complete assigned projects with CERN members during the summer.

- [HackNY Fellow](#) - Fellowship that matches students with New York City Startups
- [Adobe India Women-in-Technology Scholarship](#) - Adobe Scholarship for encouraging women to showcase their excellence in computing and technology.
- [Grace Hopper Scholarship](#) - A Scholarship by USC Girls in Tech.
- [WeTech Qualcomm Global Scholarship](#) - A scholarship for women in technology by Qualcomm and IIE.
- [Emeritus fellowship](#) - For the superannuated teachers.
- [Junior research fellowship in science, humanities and social science](#) - It is for qualifiers of UGC and UGC-CSIR tests.
- [UGC research fellowships in science for meritorious students](#) - It is to promote quality research in University/Departments.
- [Junior research fellowship in engineering and technology](#) - It is for those who wish to pursue Ph.D. degree in engineering and technology.
- [Swarnajayanti fellowships scheme](#) - For providing special assistance and support to talented young scientist.

PROGRAMMING EVENTS

- [Google Summer of Code](#) - A global program focused on bringing more student developers into open source software development.
- [Google CodeJam](#) - Google's largest coding competition.
- [Google Kickstart](#) - Many online rounds to give students the opportunity to develop their coding skills and pursue a career at Google.
- [Google HashCode](#) - Programming competition organized by Google for students and industry professionals across Europe, the Middle East and Africa.
- [Google Code-in](#) - A competition for pre-university students(13 to 17 years old) to introduce themselves to the world of open source by doing small tasks for various open source projects.
- [ACM-ICPC](#) - The International Collegiate Programming Contest is an algorithmic programming contest for college students.
- [Facebook HackerCup](#) - Annual programming contest organized by Facebook.
- [List of Open Source Internship Programs](#) - Includes [Rails Girls Summer of Code](#) and [Outreachy](#).
- [Hactoberfest](#) - Organized by Digital Ocean in October.
- [IEEEExtreme](#) - Annual 24 hour long team contest for IEEE members.

HACKATHONS

- [Devpost](#) - Online or in-person hackathons browsing platform.
- [hackathon.io](#) - Browse in-person hackathons.
- [Hackalist](#) - List of upcoming hackathons.
- [AngelHack](#) - Hackathon planning organization.
- [Hackevents](#) - Hackathons search engine.
- [Yelp Dataset Challenge](#) - The challenge is a chance for students to conduct research or analysis on our data and share their discoveries with Yelp.
- [hack.summit\(\)](#) - Virtual conference where you can learn from the world's most renowned programmers.
- [Major League Hacking Event Page](#) - A list of a ton of events that are sponsored by the official hackathon league
- [Microsoft Imagine Cup](#) - Bring your tech idea to life with the Imagine Cup and make a difference through creativity, collaboration, and competition.

GENERAL OPPORTUNITIES

- [Github Student Pack](#) - Get free access to the best developer tools in one place.
- [Visual Studio Dev Essentials](#) - Free learning resources and programming tools.