



GeeksforGeeks

# Data Structures & Algorithms

## SELF PACED COURSE



ONLINE Recorded Session



**70K+**  
Enrolled



**4.9**  
Rating

**60+**  
Hours

**ONLINE**  
Course

**PROJECT**  
Based Learning

**STAR**  
Mentor

**~ MASTER DSA THE RIGHT WAY! ~**

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# EXPERT ADVICE

**Mr. Sandeep Jain**

Founder & CEO - GeeksforGeeks

He started this Journey with just one thought- every geek should have access to a never ending range of academic resources and with a lot of hardwork and determination, **GeeksforGeeks** was born.

Through this platform, he has successfully enriched the minds of students with knowledge which has led to a boost in their careers. But most importantly, GeeksforGeeks will always help students stay in touch with their Geeky side!

“ I understand that many students who come to us are either fans of the sciences or have been pushed into this field by their parents.

And I just want you to know that no matter where life takes you, we at GeeksforGeeks hope to have made this journey easier for you. ”



# COURSE OVERVIEW

A self-paced course that has been divided into 8 weeks where you will learn the basics of DSA & can practice questions & attempt the assessment tests from anywhere in the world. This will further help you to prepare for interviews with top-notch companies like Microsoft, Amazon, Adobe, etc. You will also learn algorithmic techniques for solving various problems with full flexibility of time. This course does not require any prior knowledge of DSA, but a basic knowledge of any programming language ( C++ / Java) will be helpful.

[\*\*VIEW DETAILED SYLLABUS\*\*](#)

The **Doubt Assistance** (6 Months) would be available **24X7** in the form of a discussion portal, where there will be mentors and TA's to help you out with any problem you face for a complete year. You can also get your doubts resolved on Google Meet.



**STAR MENTOR**

**Mr. Sandeep Jain**

**Founder and CEO  
GeeksforGeeks**



# COURSE BENEFITS



Premium Lecture  
Videos



Projects



200+ Algorithmic  
Coding Problems



Solution Videos  
of Questions



Companywise Q&A



Course Completion  
Certificate

# PROJECTS



## 01 Sudoku Solver

Program to solve a Sudoku puzzle by filling the empty cells.

## 02 Shortest Path Finder

The problem of finding the shortest path between two intersections on a road map may be modeled as a special case of the shortest path problem in graphs, where the vertices correspond to intersections and the edges correspond to road segments, each weighted by the length of the segment.

## 03 Tic Tac Toe

A game in which two players alternately put Xs and Os in compartments of a figure formed by two vertical lines crossing two horizontal lines and each tries to get a row of three Xs or three Os before the opponent does.

## 04 N Queens Visualizer

Visualization of solving the N-Queens puzzle using recursive algorithm. The N-Queens puzzle is the problem of placing N chess queens on an  $N \times N$  chessboard so that no two queens threaten each other.



# WHERE OUR ALUMNI WORK

accenture

Microsoft

Google

amazon

Infosys

intel

Capgemini

Cognizant



tcs

CISCO



HCL

ORACLE



paytm



# Success Stories



## Internships



**Tarun Rana**

Placed as Intern at



I have secured a job in an Indian Startup company, 'MoveinSync'. GeeksforGeeks has played an instrumental role in the entire process, especially what I liked the most was Sandeep Jain Sir's way of teaching. The DSA self-paced course has set a strong foundation for my problem-solving skills. With this course, I have secured an internship at MoveinSync as a Backend Developer.



**Ritwik**

Placed as Intern at



I recently got selected for 6 Month SDE Intern at Amazon. I would like to thank GeeksforGeeks as the courses helped me a lot to crack through the written test and interview process. The way of teaching by the instructors at GeeksforGeeks is just extraordinary as they teach from the basic concepts that plays a vital role during Interviews. I would recommend everyone to go through the course and then practice the problems given in Practice section. Following the course is self sufficient to crack the interview of any company.



**Aniketh**

Placed as Intern at



Many people feel intimidated by coding, I was one among those. But after attending the lectures of the DSA self-paced course by Sandeep Jain Sir, my perspective towards coding was completely changed. The course was taught right from the basics to the advanced level. It is very effective as, after each concept, practical coding examples are given. After taking the course, I became fundamentally strong in coding and I have reached a point now, where I can derive an efficient solution to most of the coding problems. Thanks a ton to Sandeep Jain Sir and the whole GeeksforGeeks community for making this ultra legendary course.



**Ronit Mehta**

Placed as Intern at



I want to enroll in the course which will help me to boost my DSA and OS networking and DBMS skills. GeeksforGeeks helped me in getting that opportunity, with the help of their course, I was able to learn various topics of DSA and many concepts of DBMS OS and networking in detail and simple yet relevant explanation. The context and assignments inside the course help me to get deeper expertise over the topic. They also provide notes for DSA, networking, and OS which cover all the topics from the interview point of view which helped me to get a crack interview and give me an opportunity to work intern in MetricStream.



# Success Stories



## Job Offers



### Pavankalyan Urandur

Placed in



I recently got an offer from Goldman Sachs for an Analyst position. DSA Self paced course helped me in complete preparation. I would like to thank Sandeep Jain sir for making all the concepts crystal clear & the geeks for providing a fantastic platform for interview preparation and practice.



### Yash Goel

Placed in



In the starting I purchased the course to prepare for the placement, but the course changed my perception, which is excel the learning process, and be thorough with the concepts. The course was well structured. Everyone who is looking for entry level job, this course is the entry gate. If this course wouldn't be there I would have never got places in such a good company.



### Sanjay

Placed in



I started with basic fundamentals from the DSA self-paced course where everything is taught intuitively so that we map to something which we already know, then moving on to practice problems of GFG, Amazon SDE test series. After doing so I got the confidence to clear the interview round which contain DSA related problems. Later I started LLD for the SDE-1 course which gave me an in-depth knowledge of how object-oriented design works and I was able to apply them in my interviews. I received multiple offers after 4-5 months of struggle.



### Nikhil

Placed in



Hey fellas, I got to know about this course after a lot of my research, my friend reviewed it and said it is completely placement oriented and I started to do this course just 5 months before our placement season. Being a mechanical branch student I didn't face so much difficulty in understanding DSA because Sandeep Jain Sir taught each concept in a smooth manner.

Let me tell you a fun fact that before this course I even didn't know what DSA is. So my advice to all of you is that never hesitate to invest in this course. This course can help you get offers from top MNC's. So the choice is yours because a small investment can give you a comfortable life

# REVIEWS

## Avinash Kumar



The course has been a great guide to improving my problem-solving skills, which I lacked before joining this course. It gave me in-depth knowledge & better clarity of concepts.

## Harshit Anand



It is an awesome self-paced learning course. The course is well-curated available at an affordable price. If you have money don't think twice before buying this course. Being from a non-CS background I am learning a lot every day because of this course. The problems in the practice session are very good. They will help you to think differently. Sometimes you won't be able to solve them but never forget to use the hints. Hints are very helpful.

## Bharani Tharank



I struggled to solve even a simple problem earlier. Within just two weeks of learning from this platform, I am now capable enough to solve the intermediate level of problems.

## Sanikiriti



I am very scared of DSA earlier but taking this course and practicing from the basics gave me the confidence to solve problems and helped me in chasing the fear out of me thank you very much!!!!

## H. Kuamar



It was a really good course, everything is organized and the concepts are explained beautifully. I would suggest any competitive programmer or someone preparing for interviews to follow this parallelly along with practice.

# REVIEWS

## Ranjana Aditya



The DSA course is a gateway to competitive programming. If one needs to start with competitive programming, they should go through this course first as it will help a person to get better at it, eventually.

## Sumit Kuamar



This course is well organized & structured. I feel good whenever I solved the problem here it keeps me motivated. The video and problem are both great in my opinion. A little change I recommend is keeping more questions on stack & queue can be beneficial as they are very low & I am not able to continue my momentum last week and move on to some good projects I guess.

## Rahul Kuamar



GfG is an excellent platform to opt for the DSA course as this course is taught by Sandeep sir who has great knowledge about this subject, his video lectures were awesome.

## Jay Mishra



My experience with GfG has always been amazing. I've realized that I can completely rely on GfG for the preparation for my college and placement exams. Talking about the DSA course, it has been useful to me in polishing my overall skills & developing my ability to think about the logic of a question.

## Sarany Amaity



THIS COURSE IS GOD LEVEL!!! BE serious & enjoy the course, BUY this course or you will be missing something very important!!! Btw, you can go for Placement Course too, I would have gone for that placement course but I was in a hurry, if you are only interested in DSA THEN ITS BEST!!!

# QUESTION & ANSWER



What does Self-Paced mean?

You can join the course anytime. All of the content will be available once you get enrolled. You can finish it at your own decided speed.



Does the course include programming questions?

Yes, the course focuses on DS & Algo with a mix of theoretical lectures and programming questions.



Is this a language-specific course?

Yes, the course is only in C++ & Java. In case you are not familiar with these languages, you may join one of the free courses, Fork CPP and Fork Java to best utilize this course.



How can I access contest solutions?

Contest solutions are available in Video mode in the contest section itself. And once you've appeared in the online contest you can access the solutions.





What do I learn if I am a Python Programmer?

If you are a Python programmer, you get the following:

- 1) The theory part of videos, algorithms in videos. Note video explanations of implementations are specific to C++ & Java only
- 2) Practice Questions will be in Python. It is recommended to prepare yourself with Fork Python if you are beginning with Python



What type of certificate will be offered in this program?

Once the course is completed. You'll be getting a course completion certificate.



How long will the course content be available for?

The course content will be available for one year.





What is the difference between the DSA content covered here and the one covered in the Complete Interview Preparation Course?

This DSA content covered in the **Complete Interview Preparation Course** covers some more detailed topics & content. Not only does the course include basic to advance DSA but also covers the topics like OS DBMS, OOPS concept, & much more. Hence CIP is the complete package for Interview Preparations.



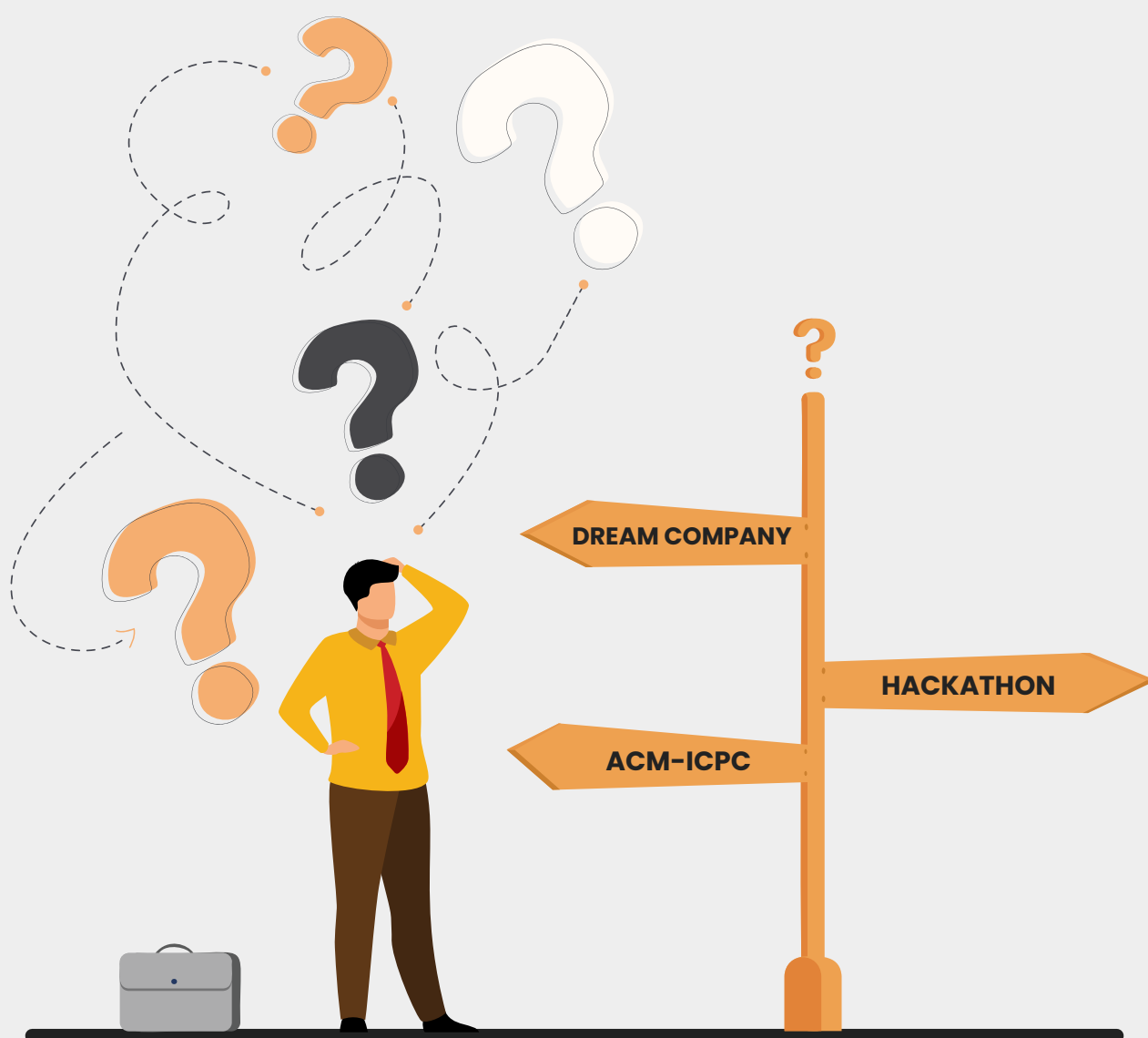
I am a Working Professional, I have my interviews lined up for a few top product-based companies in the near future? Will this benefit me?

Since you are a Working Professional we will suggest you go for **DSA Live for Working Professionals** which is a Live course of a duration of 8 weeks i.e in a span of 2 months you will be ready for any upcoming interviews. This is an advanced-level course suitable for working professionals. This is going to help them prepare for top product-based companies like Amazon, Microsoft, Uber, etc as all the important topics and questions which you might face in an interview session of any such company are covered.



# Still unsure about course?

## DSA-SELF PACED COURSE?



**Get 1:1 Free Counselling**



Geeks Learning Together!

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