

Roadmap JAVA

JAVA -> Data Structure -> Algorithms

Important Tips - 1. Daily Practice

2. Peer Programming

Some famous and recommended YouTube Channels to learn

- [Apni Kaksha](#)
- [CodeWithHarry](#)

For **theory** and **reading**-

- [GFG](#)
- [W3school](#)

For **DSA**-

[GFG](#)

For **Algorithms**-

[GFG](#)

Practice on [HackerRank](#) and try to take part in some monthly contest, when you start your DS course.

JAVA Projects- (Can be added to resume)

- Android Projects
- Hospital Management/School Management System
- Email client software (unique)
- Quiz management system
- Converter

Python Roadmap for project Development

Learn Python-> Start with small projects

For Learning-

- [CWH](#)
- [Telusko](#)
- [FreeCodeCamp](#)

For reading and theory-

- [GFG](#)

Tip1- Start with a basic project, after learning the from above material. It will help you to grow your confidence exponentially.

Tip2- Develop a habit of understanding others code to get reference, how the code works in real time application.

Python Projects that you can include in your resume-

➤ Machine Learning Project.

1. Natural Gas Price Prediction
2. Analyzing Movie Dataset
3. Simple Chat Room using Python
4. House Price Prediction
5. Analyzing Weather Dataset.

➤ Django Projects

1. Sending Email with Python
2. Django chat app
3. Library management system
4. Django To-do list

5. Notes app

Roadmap C++ Course-

Some famous and recommended YouTube Channels to learn C++

- [Apna College](#)
- [CodeWithHarry](#)
- [TheNewBoston](#)

For theory and reading-

- [GFG](#)
- [W3School](#)

Data Structures-

- [GFG](#) – For Theory and Practice.

For Algorithms-

- [GFG](#) – Theory and Questions

Practice on [Hackerrank](#) and try to take part in some monthly contest, when you start your DS course.

For practice questions, you can check out the sites which I am mentioning below.

[TutorialsPoint](#)

[GFG](#) (Topic-wise)

[Cprogramming](#)

[Hackerrank](#) (C++)

For Internship-

Mainly 3 ways-

- [LinkedIn](#) (Click and check the plan)
- Referrals from Senior, Families, and Friends
- Visit Company's career/job page and search for internships and apply

Projects

Projects will help you to gain experience and confidence. There is a various domain in which you can carry a project, it depends upon you. Try to do small projects till your 2nd year and in 3rd year build an intermediate/advance level project that you can include in your resume and show to everyone.

One can do projects in-

- Web development
- Android development
- Python
- Frontend/Backend projects.
- Machine Learning
- Blockchains
- Projects using AI/ML/DL
- Encryption projects, etc.

Please go through the links provided above, and add anything if needed further.