

# How I have become a Self-Taught Python developer in 3 years

Best route which you also can apply

What I always say is that “Programming is neither so difficult nor too easy”. So, for learning programming you don’t need to much merit but you need to have much potential and passion towards programming like, “Yes, I love programming and I will learn that.”

I guess I have the same feeling at the beginning. I was so influenced to see a quote in my textbook saying, “Most of the students waste their time by playing video games or doing social networking in their pasttime, but some special students among them learn programming in their school life and add a new skill to their skillset.” I just wanted to be the special one. From then, I determined to be a self-taught programmer.

I always take my decisions very carefully. So before learning coding, I browsed online and discovered that Python is not only the best language to learn but also it is easy and beginner-friendly. So, I started learning programming with Python.

Since there is no shortcuts for success I searched for the longest youtube course on Python. After successfully completing Microsoft Virtual Academy’s (MVA) “Python Zero to Hero” course successfully in 3 months, I learned the basics of Python programming. This course is very helpful for beginners.

Python Zero to Hero course: <https://www.youtube.com/watch?v=eHxoh9Rrtdk>

After that, I thought that I learned everything about programming and for that I keep distance with programming for almost 2 months. But then I realized that we should never stop learning. So, I subscribed some popular youtube channels who make good python videos. Some of them are:

- *Corey Schafer*
- *CS Dojo*
- *Sentdex*
- *Tech with Tim*
- *Clever Programmer*
- *Data School*
- *Edureka*
- *Hackerrank*

Their videos are so resourceful and they are very helpful for beginner programmer. I used to see their videos regularly and aquire new knowledges daily as well as sharpened my previous Python knowledge. At the same time, I read a book on Python

which is written in my native language. My suggestion is that everyone must read a programming book of their native language first as it will help them to understand the basic concepts of programming clearly. Then, I read an English book on Python programming "Python Notes for Professionals" which covers almost every topic of Python. I also cultivated a good habit of reading documentation. Believe me, It helps a lot.

*Python Notes for Professionals:* <https://goalkicker.com/PythonBook/PythonNotesForProfessionals.pdf>

After reading those books, I started to solve problems using programming. I created accounts into different competitive programming website and solved problems everyday. Some of the websites are:

- *CodeChef*
- *Code Forces*
- *Toph*
- *CodingBat*

I also participated in different coding contests and hackathons. While I was seeing daily youtube videos and solving coding problems regularly, I read a book named "Data Structures and Algorithms in Python" written by Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser.

*Data Structures and Algorithms in Python:* <https://www.amazon.com/Structures-Algorithms-Python-Michael-Goodrich/dp/1118290275#:~:text=This%20all%2Dnew%20Data%20Structures,that%20is%20clear%20and%20concise.>

This book covers Data Structures and Algorithms in Python very deeply with implementations. I took 2 months to complete this book. I also learned Object Oriented Programming in Python, several standard libraries of Python, web development, little bit of command line and sql database.

I also read a book on coding interviews called "Cracking the Coding Interview". This book is extremely useful and have smart solutions of multiple programming problems. This book is an essential tool in the coding interview process for even an absolute beginner in Computer Science.

Cracking the Coding Interview: <https://www.amazon.com/Cracking-Coding-Interview-Programming-Questions/dp/0984782850>

I was so amazed with Artificial Intelligence and Data Science that I started learning that. I learned Numpy, Pandas, Matplotlib, Scipy and some other python libraries for Data Science and currently doing a course on Deep Learning. Don't forget to see my another blog on "Data Science Guidelines".

In this blog, I have described my timelines of learning Python programming. I hope you will be benefitted too if you follow my route.