

Python

Machine Learning, Tutorials, Framework/Libraries, Gaming, YouTube Channels

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Machine Learning

[Python](#) is highly used in Machine Learning and AI!

Luckily, You can master Python from the top companies and Universities.

In this thread, I will share top courses from IBM, Google and Harvard Universities.

1. Python for Everybody Specialization.

☐☐<https://lnkd.in/gtHCd8T3>

2. Crash Course on Python

☐☐https://lnkd.in/gm_zfb9v

3. Get Started with Python

☐☐<https://lnkd.in/gvzqZ68A>

4. Python for Data Science, AI & Development

☐☐<https://lnkd.in/gsqe-yXm>

5. Google Data Analytics

☐☐<https://lnkd.in/gGBT85aY>

6. Google Advanced Data Analytics

☐☐<https://lnkd.in/gYUgss4t>

7. IBM Data Science Professional Certificate.

☐☐<https://lnkd.in/guauXXWu>

8. IBM Data Warehouse Engineer Professional Certificate.

☐☐<https://lnkd.in/gTkHfX2j>

9. IBM Cybersecurity Analyst Professional Certificate.

☐☐https://lnkd.in/gwQR_uaP

10. IBM AI Engineering Professional Certificate.

☐☐https://lnkd.in/gsAM-k_C

11. IBM DevOps and Software Engineering Professional Certificate.

<https://lnkd.in/gvdV8D-k>

12. <https://kuleshov-group.github.io/aml-website/>

<https://kuleshov-group.github.io/aml-book/intro.html>

Download Complete Pdf <https://lnkd.in/dvqSezAA>

Tutorials

1. Python for Everybody Specialization.

<https://lnkd.in/dcEYyc-C>

2. Crash Course on Python

<https://lnkd.in/dpBa3Qi8>

3. Get Started with Python

<https://lnkd.in/dHA-VMMu>

4. Python for Data Science, AI & Development

<https://lnkd.in/dbZt2ApU>

5. Google Data Analytics

<https://lnkd.in/duwZfSYu>

6. Google Advanced Data Analytics

https://lnkd.in/dH_FHG5C

7. IBM Data Science Professional Certificate.

<https://lnkd.in/dcPBi96p>

8. IBM Data Warehouse Engineer Professional Certificate.

<https://lnkd.in/dwy38Z7H>

9. IBM Cybersecurity Analyst Professional Certificate.

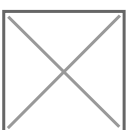
<https://lnkd.in/dcRkk8FJ>

10. IBM AI Engineering Professional Certificate.

<https://lnkd.in/dCfjKf8u>

11. IBM DevOps and Software Engineering Professional Certificate.

<https://lnkd.in/dHx5ET4e>



Libraries/Frameworks

PYTHON LIBRARIES AND FRAMEWORKS

MACHINE LEARNING

- Numpy
- TensorFlow
- Theano
- Pandas
- PyTorch
- Polars
- Keras
- Scikit-Learn
- Matplotlib
- Scipy
- Seaborn

WEB DEVELOPMENT

- Django
- Flask
- Bottle
- CherryPy
- Pyramid
- Fast API
- Web2Py
- TurboGears
- CubicWeb
- Dash
- Falcon

AUTOMATION TESTING

- Pyunit
- Behave
- Splinter
- Robot
- Pytest

IMAGE PROCESSING

- OpenCV
- Mahotas
- Pgmagick
- SimpleITK
- Scikit-Image

GAME DEVELOPMENT

- Panda3D
- PyGame
- PyOpenGL
- PyGlet
- Arcade

WEB SCRAPPING

- lxml
- Requests
- Selenium
- Scrapy
- Beautiful Soup

☐☐ Top Python Libraries and Frameworks across various domains ☐☐

Gaming

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☐☐<https://lnkd.in/dHx5ET4e>

More Python

BM, Google and Harvard Universities.

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☐☐<https://lnkd.in/dCfJKf8u>

11. IBM DevOps and Software Engineering Professional Certificate.

☐☐<https://lnkd.in/dHx5ET4e>

☐☐Download Complete Pdf☐☐

<https://t.me/CodeNoteBook>

YouTube

☐ Corey Schafer

Arguably the best python channel on YouTube
I have personally learned a lot from him

☐ Python Programmer

Giles McMullen-Klein shares tutorials on python and working with data.
You can also find learning resources along with reviews of python/ data science courses

☐ Reuven Lerner

Reuven brings his 27 years of teaching over to you on this channel.

☐ Python Engineer

Another great channel for those interested in Python, Machine Learning, Computer Vision, and Data Science.

☐ Mouse Vs Python

Here at Mouse Vs Python, you will learn about Python through beginner, intermediate and advanced tutorials.

☐ Real Python

There isn't a python concept that you won't find on realpython's channel and blog.

[Dan Bader](#)'s channel helps Python developers take their coding skills and productivity to the next level

☐ CS Dojo

Python or otherwise, everyone interested in programming and computer science must follow YK's channel

Learning Roadmap

1□ Start with Basics

(Learn variables, data types, and basic math operations)

2□ Control Flow

(Understand how to use if-else statements and loops (for, while))

3□ Work with Data

(Learn lists and dictionaries to store and manipulate data)

4□ Write Functions

(Create functions to reuse code and organize tasks)

5□ File Handling

(Practice reading and writing files)

6□ Practice Projects

(Build simple projects like a calculator or to-do list)

7□ Learn OOP Basics

(Understand classes and objects)

8□ Use Libraries

(Try using popular libraries like requests or pandas)

9□ Build Small Projects

(Create simple apps like a weather checker or number guessing game)

Python learning resources links:

1. Python

<https://lnkd.in/gGdAnHmf>

2. Codecademy

<https://lnkd.in/ecs6tE-S>

3. W3Schools.com

<https://lnkd.in/eJgPfMn3>

<https://lnkd.in/gPpD3VAK>

17. 

<https://lnkd.in/gJ85uHAt>

18. JetBrains
(Python Educational Material)

<https://lnkd.in/gCewJ23K>

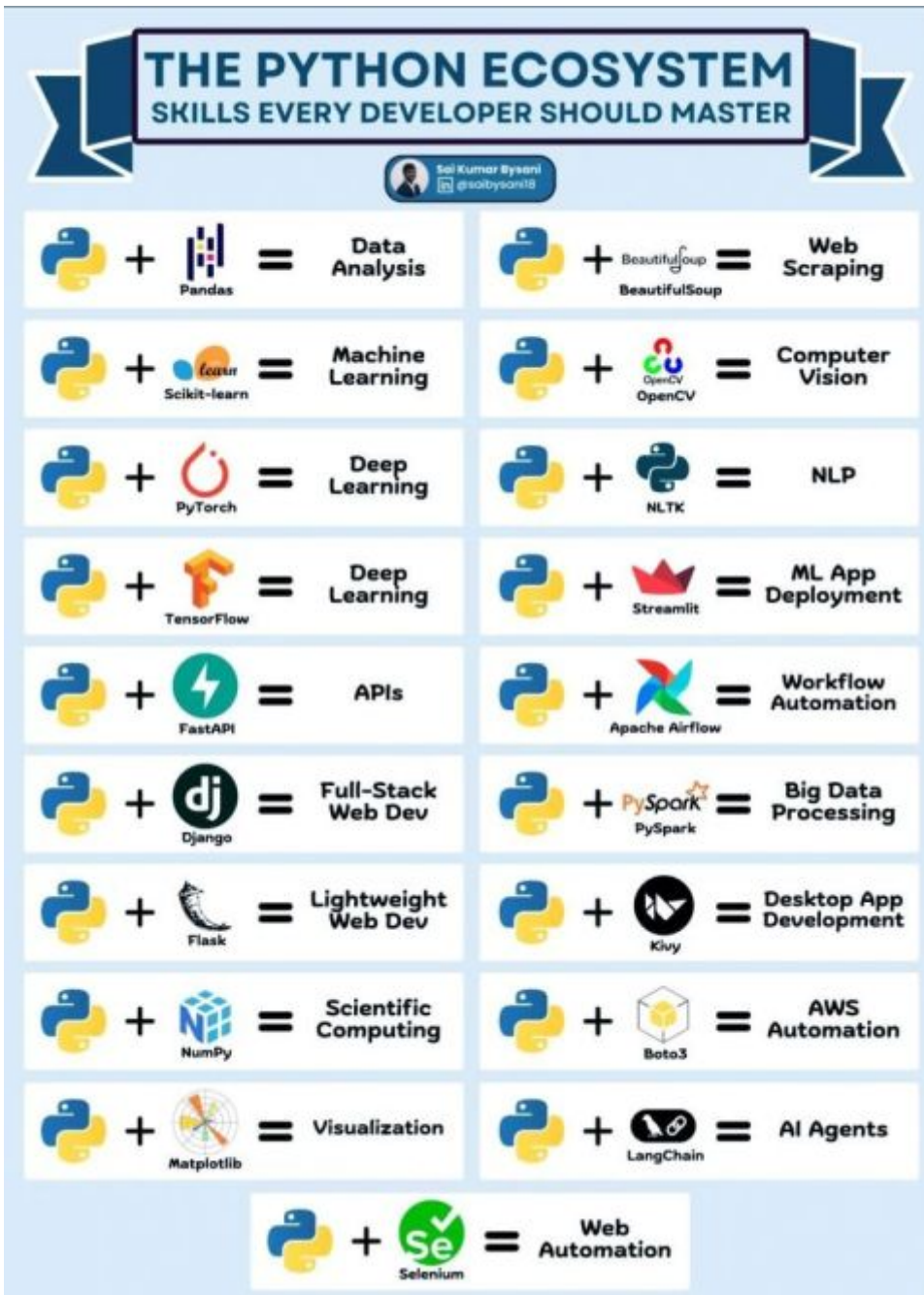
19. GeeksforGeeks

<https://lnkd.in/gmDx9Smi>

20. Kaggle
(Python Course)

<https://lnkd.in/eA2gm6PG>

Python Ecosystem



Python is not just a programming language it's a powerful ecosystem that connects multiple domains of technology. From data analysis to AI agents, mastering Python and its libraries opens doors to innovation, automation, and smarter solutions.

Here are just a few areas where Python shines:

Data Analysis & Visualization → Pandas, Matplotlib

◆ Machine Learning & Deep Learning → Scikit-learn, TensorFlow, PyTorch

Web Development → Flask, Django

◆ Big Data & Workflow Automation → PySpark, Apache Airflow

Scientific Computing & Cloud → NumPy, Boto3

AI & Emerging Tech → LangChain, Streamlit

The beauty of Python lies in its versatility - whether you're building web apps, designing data pipelines, automating cloud workflows, or experimenting with AI models, Python has a library for everything.

□ In today's fast-changing world, staying updated with these core Python skills is more than just an advantage it's a necessity for developers, data enthusiasts, and tech innovators.