Related Roadmaps

- Backend Roadmap
- DevOps Roadmap
- Software Design Roadmap

Backend roadmap till Language Selection

Find the detailed version of this roadmap along with resources and other roadmaps

https : // roadmap.sh

Important Note / Click here

Python

Learn the Basics

- Basic Syntax
- Variables and Data Types
- Conditionals
- Type Casting, Exceptions
- Functions, Builtin Functions
- Lists, Tuples, Sets, Dictionaries

Datastructures and Algorithms

- Arrays and Linked Lists
- Heaps, Stacks and Queues
- Hash Tables
- Binary Search Trees
- Recursion
- Sorting Algorithms

Advanced Topics

- RegEx
- Decorators
- Lambdas
- OOP
  - Classes
  - Inheritance
  - Methods, Dunder
- Iterators
- Modules
  - Builtin
  - Custom
- Package Managers
  - PyPI
  - Pip
  - Conda
- List Comprehensions
- Generator Expressions
- Paradigms

Learn a Framework

- Django
- Flask
- Pyramid
- Synchronous
- FastAPI
- Asynchronous
- gevent
- aiohttp
- Tornado
- Sanic

Testing your Apps

- doctest
- nose
- pytest
- unittest / pyUnit

For ecosystem and more, check other tracks involving Python

- Backend Roadmap
- DevOps Roadmap