Things to Learn in Python to Get a Python Developer Job

1. Core Python (Fundamentals)
- Variables, data types, and operators
- Strings, lists, tuples, sets, dictionaries
- Control flow: if, for, while
- Functions and scope
- Exception handling
- Comprehensions (list, dict, set)
- File I/O
- Modules and packages
2. Object-Oriented Programming (OOP)
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- Typing and type hints (mypy)

- Iterators and custom classes

- Lambda, map, filter, reduce

- Multithreading and multiprocessing

- Working with virtual environments
 4. Version Control
 Git and GitHub/GitLab/Bitbucket
 Branching, merging, pull requests
 - 5. Web Development (if targeting web roles)
 - Flask or Django
 - REST APIs (building and consuming)
 - JSON and HTTP methods
 - Database integration (SQLite, PostgreSQL)
 - ORM (SQLAlchemy or Django ORM)
 - 6. Testing
 - unittest, pytest
 - Test-driven development (TDD)
 - Mocking and coverage
 - 7. Databases
 - SQL basics (joins, aggregations)
 - NoSQL (MongoDB optional)
 - Database design and performance
 - 8. Frontend Basics (Optional)
 - HTML, CSS, JavaScript basics
 - AJAX, REST, working with APIs

- 9. Popular Libraries & Tools
- Requests
- Pandas and NumPy
- Matplotlib/Seaborn
- Celery
- Docker
- Jupyter Notebooks

10. Soft Skills & Other Areas

- Problem-solving (Leetcode, HackerRank)
- Writing clean, maintainable code (PEP8)
- Reading and understanding documentation
- Working in Agile/Scrum teams
- Communication and collaboration

Bonus Areas (Depending on Career Focus)

- Data Science: Scikit-learn, TensorFlow, PyTorch, statistics, ML
- DevOps/Scripting: Bash, Jenkins, CI/CD, AWS, monitoring tools
- Game Dev: Pygame, graphics basics
- Automation: Web scraping (BeautifulSoup, Selenium)

Recommended Practice Platforms:

- LeetCode, HackerRank, Exercism, Real Python