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 JobHackHub ProfileBuilder

Knowledge Builder

 **Road Map** Ai bot Code-editor Question Mock-Interview

Get your persanalised Road Map

Text Stack You Know

JavaScript ×

What is your End Gole

Python ×

Time in months

1

Select a date range

2024/06/23 – 2024/07/24

Till which level you waant to learn the things

☐

Easy

☒

Medium

☐

Hard

Submit

Roadmap to Learn Python in 1 Month (Medium Level)

Assumptions:

- Starting level: Knowledgeable in JavaScript
- End goal: Medium proficiency in Python
- Timeframe: 1 month

Resources:

- YouTube Channels:
 - [Derek Banas](#)
 - [Corey Schafer](#)
 - [Python Programming Tutorials](#)

Timeline:

Week 1:

- **Day 1-2: Python Basics**
 - Data types, variables, and operators
 - Control flow (if statements, loops)
 - Time: 4 hours
- **Day 3-4: Functions and Modules**
 - Defining and calling functions
 - Using modules to import external code
 - Time: 4 hours
- **Day 5-7: Object-Oriented Programming**
 - Classes, inheritance, and polymorphism
 - Time: 6 hours

Week 2:

- **Day 1-2: File Handling and Data Structures**
 - Reading and writing to files
 - Using lists, tuples, and dictionaries

- Time: 4 hours
- **Day 3-4: Exception Handling and Error Management**
 - Handling errors and exceptions
 - Using try/except blocks
 - Time: 4 hours
- **Day 5-7: Python for Data Analysis**
 - Using libraries such as NumPy and Pandas
 - Data cleaning, manipulation, and visualization
 - Time: 6 hours

Week 3:

- **Day 1-2: Advanced Data Structures**
 - Sets, stacks, and queues
 - Time: 4 hours
- **Day 3-4: Web Development with Python**
 - Django or Flask frameworks
 - Creating basic web applications
 - Time: 4 hours
- **Day 5-7: Machine Learning with Python**
 - Overview of machine learning concepts
 - Using libraries such as scikit-learn
 - Time: 6 hours

Week 4:

- **Day 1-2: Code Review and Practice**
 - Review all concepts covered
 - Practice coding exercises
 - Time: 4 hours
- **Day 3-4: LeetCode Problems**
 - Solve LeetCode problems to reinforce concepts
 - Start with easy problems and gradually increase difficulty
 - Time: 4 hours
- **Day 5-7: Project Development**
 - Build a small Python project to apply your skills
 - Use resources and ask for help when needed
 - Time: 6 hours

Time Allocation:

- Daily study time: 2-3 hours
- Total time: 80-120 hours

Tips:

- **Practice Regularly:** Solve coding exercises daily to reinforce concepts.
- **Use Online Resources:** Utilize online tutorials, forums, and documentation to supplement your learning.
- **Seek Help:** Don't hesitate to ask questions or seek assistance when needed.
- **Break Down Tasks:** Divide large concepts into smaller chunks to make learning manageable.
- **Stay Motivated:** Set achievable goals and reward yourself for progress.

Good luck on your Python learning journey! 🍀 🖥️