

Goal	Actions to Achieve It	Resources / Tools	Target Completion
<b>1. Strengthen advanced OOP and design pattern skills</b>	Build a medium-scale Python project combining multiple design patterns (Factory + Observer + Singleton).	<i>Design Patterns in Python</i> (Udemy), GitHub, PyCharm	3 months
<b>2. Improve software testing and automation skills</b>	Learn and apply pytest and CI/CD pipelines (GitHub Actions).	pytest docs, GitHub Actions tutorials	4 months
<b>3. Enhance UML and system design documentation</b>	Use Draw.io to model a complete system from use case to implementation.	UML tools, module notes	2 months
<b>4. Develop data structure and algorithm proficiency</b>	Practise algorithmic problems on LeetCode focusing on Python implementations.	LeetCode, <i>Think Python</i> Chapters 5–17	6 months
<b>5. Apply sustainability and clean code principles</b>	Review and refactor previous code to improve efficiency, readability, and maintainability.	<i>Clean Code</i> by Robert C. Martin	Ongoing
<b>6. Strengthen professional portfolio presentation</b>	Update portfolio with all artefacts, UML diagrams, and reflections; add GitHub links for demonstration.	GitHub, LinkedIn, Canva	1 month