Python E2E

✅ For Done | ❌ For Pending | ⏱️ On-going

Basics

- Syntax
- Variables & Data types
- Conditions
- Loops
- Type casting
- Exception
- Functions
- Data Structures
  - List
  - Tuple
  - Set
  - Dictionary
- Exercise

DSA

- Arrays
- Linked List
- Hash Tables
- Heaps
- Stacks
- Queues
- Binary Search Tree
- Recursion
- Sorting Algorithms
- Lambda
- Decorator

Builtin & Customs

- Module
- Lambda
- Decorator
- Iterator
- Regular Expression

OOP - Object Oriented Programming

- Class
- Inheritance
- Methods, Dunder

Package Manager

- PyPI
- Pip
- Conda
- uv
- Poetry

Common Packages

- pyproject toml

Others

- List comprehensions
- Generator Expressions
- Paradigms
- Context manager

Concurrency

- Multi processing
- Asynchrony
- GIL
- Threading

Testing

- Tox
- Nose
- Unittest / pyUnit
- Doctest
- PyTest

Streams

- Backend : **FastAPI, Django, Flask**
- Automation : **Selenium**
- DevOps / SRE : **Toil Management**
- AI / Data Science : **Comprehensive Topic**