**Documentation**

1. Python Coding:
   1. conda and python environments, pip
      1. Creating a Virtual Environment using venv

python -m venv my\_env

source my\_env/bin/activate # On Windows: my\_env\Scripts\activate

pip install numpy pandas

* + 1. To deactivate: deactivate
    2. Creating and Managing Conda Environments

conda create --name my\_conda\_env python=3.9

conda activate my\_conda\_env

conda install numpy pandas

* + 1. To deactivate: conda deactivate
    2. Installing Packages using pip

pip install requests fastapi pydantic

pip freeze > requirements.txt # Save installed packages

pip install -r requirements.txt # Install from a file

* 1. FastAPI & pydantic
  2. Multi-threading & Multi-processing
  3. DB communication and Data manipulation
  4. Logging and Error Handing
  5. PyLint approved code-quality and coding standards
  6. python libs: Subprocess, Numpy, Pandas, psycopg2, etc.
  7. building python modules and library
  8. OOPs
  9. OpenAI SDK, Chainlit