



Intelligent Software Engineering

Requirements for Project 2120773

Tech Stack

The only requirement for the tech stack is **Python**, this project was implemented and tested using *Python 3.12.7*, though most Python version should be OK.

Dependencies

This project works on Python library imports only, which are the following:

- **Numpy**, version 2.2.3
- **Pandas**, version 2.2.3
- **scikit_learn**, version 1.6.1
- **scipy**, version 1.15.2
- **tqdm**, version 4.66.5

All dependencies have been laid out in the **requirements.txt** file already, so to install the dependencies out of the box, please execute in your terminal (in the project directory):

```
python3 -m venv myenv
```

Which will create a new virtual environment (to prevent dependency clashes between projects). Conda should also work fine if preferred. Then:

```
source myenv/bin/activate
```

This will activate the virtual environment, then we can go ahead and install our dependencies.

```
pip install -r requirements.txt
```