

Warehouse Robot Path Optimization Using Reinforcement Learning

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GitHub Link: <https://github.com/CSCN8040-Water-Wastage-in-Urban-Areas/CSCN8020-RL-Warehouse-Robot-Optimization>

Azure Link: <https://dev.azure.com/Rkarunanithi3408/CSCN8020-RL-Warehouse%20Robot%20Optimization>

Steps to Run project

1. Clone repository in your local device using terminal, go to directory where project needs to be Saved

git clone <https://github.com/CSCN8040-Water-Wastage-in-Urban-Areas/CSCN8020-RL-Warehouse-Robot-Optimization.git>

2. Move to project directory

```
cd CSCN8020-RL-Warehouse-Robot-Optimization
```

3. Make sure python --version is set to 3.11.7 and more in your system

- a. If python version is not 3.11.7, then check if it is installed.
- b. If its already available, then move to step 4, else follow C
- c. Download python 3.11.7 from <https://www.python.org/downloads/release/python-3126/>
- compatible to your device and install.

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG	Sigstore
Gzipped source tarball	Source release		ef61f81ec82c490484219c7f0ec96783	25.4 MB	SIG	sigstore
XZ compressed source tarball	Source release		d96c7e134c35a8c46236f8a0e566b69c	19.1 MB	SIG	sigstore
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	89b63192da4def3d0d4f17ff06a33064	42.5 MB	SIG	sigstore
Windows installer (64-bit)	Windows	Recommended	6ebd889155ac3261308202b29d39c5a4	24.8 MB	SIG	sigstore
Windows installer (32-bit)	Windows		8a52f3859989f0b1313f4baaa6936410	23.6 MB	SIG	sigstore
Windows installer (ARM64)	Windows	Experimental	216803e75bf3944c183873adf135c459	24.1 MB	SIG	sigstore
Windows embeddable package (64-bit)	Windows		696ae7fa834526523ba5492d3a1ead14	10.7 MB	SIG	sigstore
Windows embeddable package (32-bit)	Windows		f6fa152aa4259f51604f5bbaf5a5f4c4	9.6 MB	SIG	sigstore
Windows embeddable package (ARM64)	Windows		f3a6296650c51e3e64ae7d41999b4a78	10.0 MB	SIG	sigstore

d. Make sure to mark “add python exe to PATH in” while installation

e. Once installation is complete, again check with python --version, output should display

```

shrivardhanreddy@Shris-MacBook-Air RE % python3 --version
Python 3.12.6
shrivardhanreddy@Shris-MacBook-Air RE %

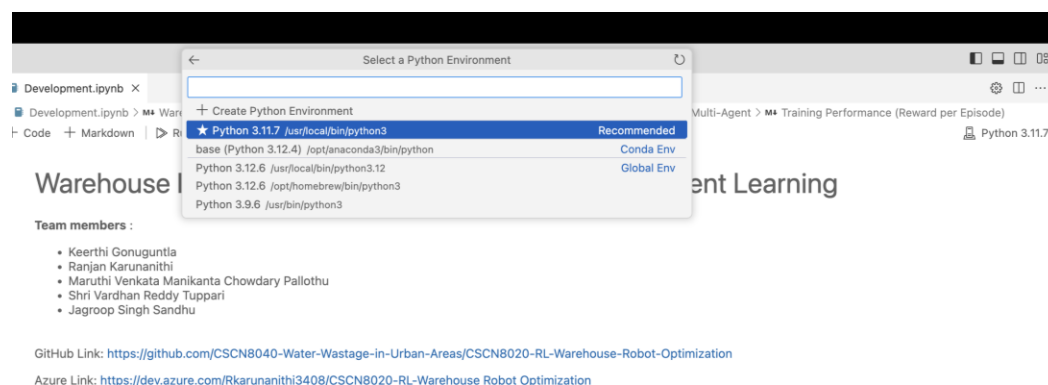
```

4. Open file “Development.ipynb”

This file contains all installation and prevention code

6. Click “Run all” from menu bar

7. When it ask for environment, choose one with python 3.12.6



8. It may ask to install “ipkernal” package, click “Yes” and let it install

9. Once its installed, you are ready to run all code blocks.

