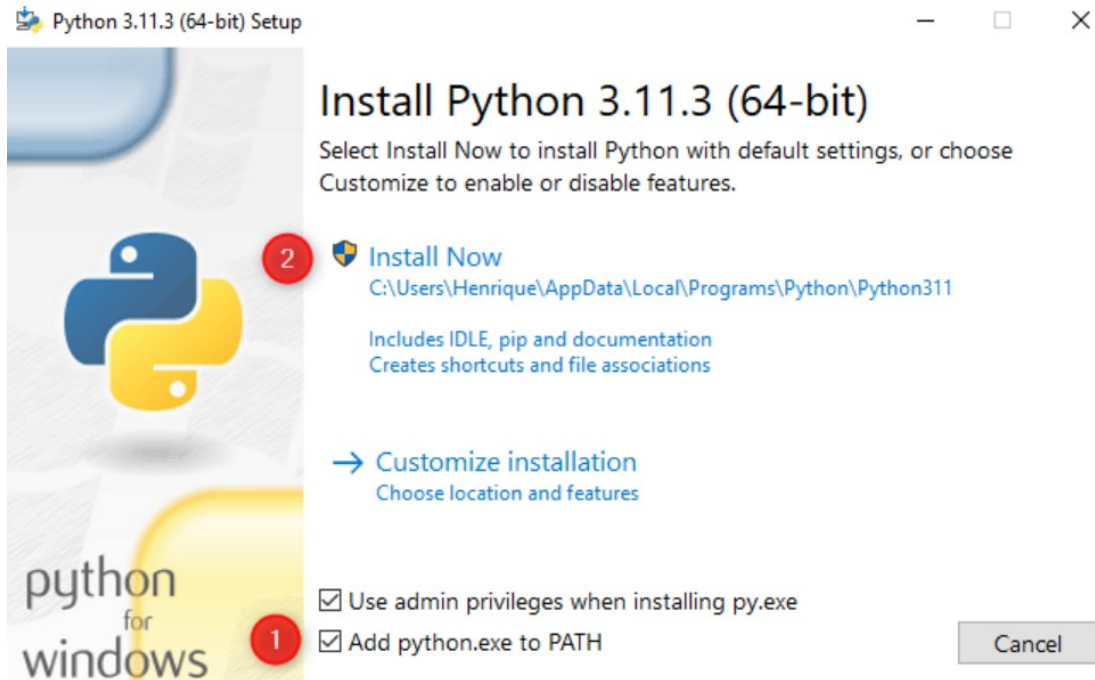


Instalação Python

Realizar a instalação da versão mais atualizada do python, via site oficial:

<https://www.python.org/downloads/>

- Realizar instalação, marcando ambas as opções:

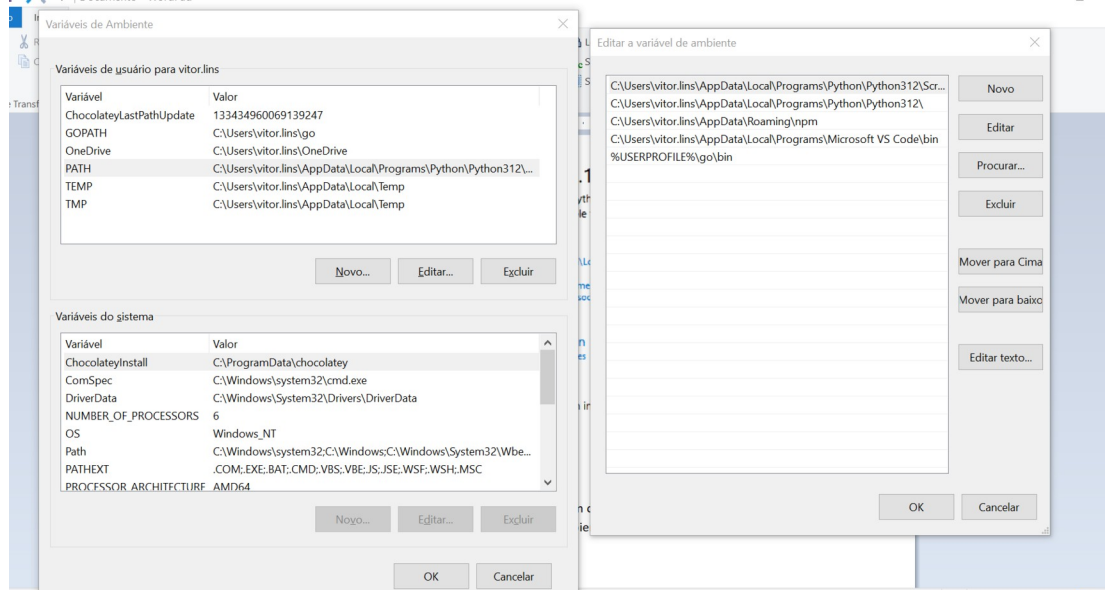


- Verificar se ambas as variáveis de ambiente foram criadas corretamente:

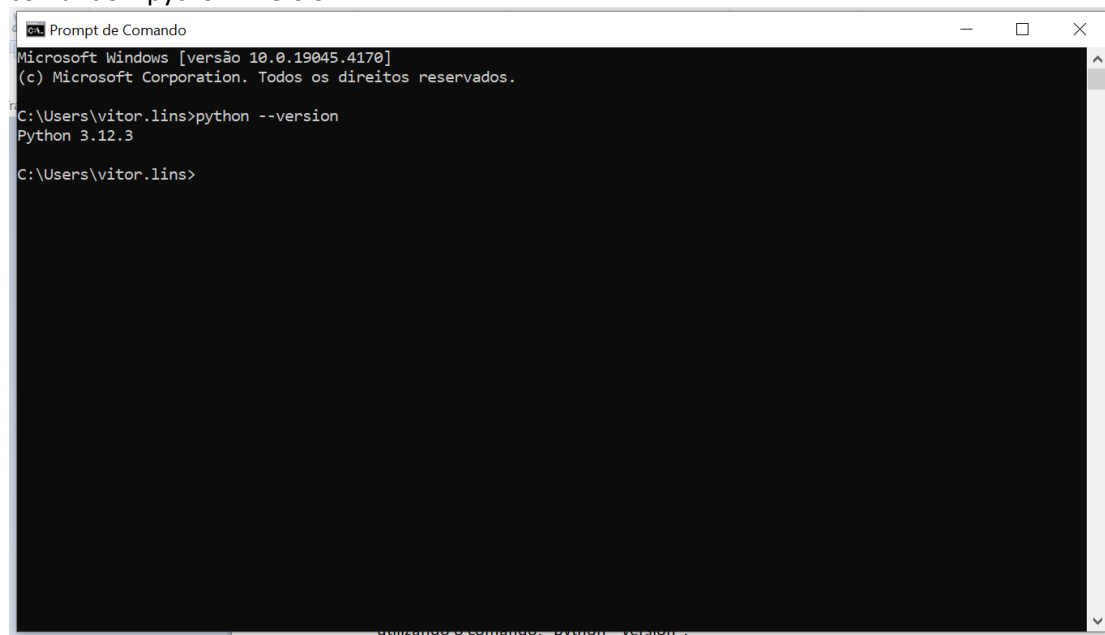
C:\Users\vitor.lins\AppData\Local\Programs\Python\Python312\

C:\Users\vitor.lins\AppData\Local\Programs\Python\Python312\Scripts\

Acessar caminho: "Editar Variáveis de Ambiente para sua conta -> PATH -> Editar":



- Verificar no "Prompt de Comando" se a instalação do python ocorreu com sucesso, utilizando o comando: "python --version":



Instalação Robot Framework e Libraries

Site oficial do Robot Framework: <https://robotframework.org/?tab=1#getting-started> para ter mais informações disponíveis sobre a ferramenta

- Realizando a instalação do Robot Framework:

Acessar o "Prompt de Comando" e digitar "pip install robotframework", depois digite o campo "robot --version" para verificar se houve sucesso na instalação e a versão em que se encontra a ferramenta

```

Prompt de Comando
Microsoft Windows [versão 10.0.19045.4170]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\vitor.lins>python --version
Python 3.12.3

C:\Users\vitor.lins>pip install robotframework
Collecting robotframework
  Downloading robotframework-7.0-py3-none-any.whl.metadata (7.4 kB)
  Downloading robotframework-7.0-py3-none-any.whl (726 kB)
----- 726.3/726.3 kB 191.7 kB/s eta 0:00:00
Installing collected packages: robotframework
Successfully installed robotframework-7.0

```

- Realizando instalação da biblioteca "SeleniumLibrary" e "RequestsLibrary" via prompt de comando:

Instalação da SeleniumLibrary: pip install --upgrade robotframework-seleniumlibrary

```

Prompt de Comando

C:\Users\vitor.lins>robot --version
Robot Framework 7.0 (Python 3.12.3 on win32)

C:\Users\vitor.lins>pip install --upgrade robotframework-seleniumlibrary
Collecting robotframework-seleniumlibrary
  Downloading robotframework_seleniumlibrary-6.3.0-py2.py3-none-any.whl.metadata (15 kB)
Collecting selenium>=4.3.0 (from robotframework-seleniumlibrary)
  Downloading selenium-4.20.0-py3-none-any.whl.metadata (6.9 kB)
Requirement already satisfied: robotframework>=4.1.3 in c:\users\vitor.lins\appdata\local\programs\python\python312\lib\site-packages (from robotframework-seleniumlibrary) (7.0)
Collecting robotframework-pythonlibcore>=3.0.0 (from robotframework-seleniumlibrary)
  Downloading robotframework_pythonlibcore-4.4.1-py2.py3-none-any.whl.metadata (9.0 kB)
Collecting urllib3<3,>=1.26 (from urllib3[socks]<3,>=1.26->selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading urllib3-2.2.1-py3-none-any.whl.metadata (6.4 kB)
Collecting trio<0.17 (from selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading trio-0.25.0-py3-none-any.whl.metadata (8.7 kB)
Collecting trio-websocket<0.9 (from selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading trio_websocket-0.11.1-py3-none-any.whl.metadata (4.7 kB)
Collecting certifi>=2021.10.8 (from selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading certifi-2024.2.2-py3-none-any.whl.metadata (2.2 kB)
Collecting typing_extensions>=4.9.0 (from selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading typing_extensions-4.11.0-py3-none-any.whl.metadata (3.0 kB)
Collecting attrs>=23.2.0 (from trio<0.17->selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading attrs-23.2.0-py3-none-any.whl.metadata (9.5 kB)
Collecting sortedcontainers (from trio<0.17->selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading sortedcontainers-2.4.0-py2.py3-none-any.whl.metadata (10 kB)
Collecting idna (from trio<0.17->selenium>=4.3.0->robotframework-seleniumlibrary)
  Downloading idna-3.7-py3-none-any.whl.metadata (9.9 kB)
Collecting outcome (from trio<0.17->selenium>=4.3.0->robotframework-seleniumlibrary)

```

Instalação da RequestLibrary: pip install --upgrade robotframework-requests

```
C:\Users\vitor.lins>pip install --upgrade robotframework-requests
Collecting robotframework-requests
  Downloading robotframework_requests-0.9.7-py3-none-any.whl.metadata (7.2 kB)
Requirement already satisfied: robotframework in c:\users\vitor.lins\appdata\local\programs\python\python312\lib\site-packages (from robotframework-requests) (7.0)
Collecting requests (from robotframework-requests)
  Downloading requests-2.31.0-py3-none-any.whl.metadata (4.6 kB)
Collecting charset-normalizer<4,>=2 (from requests->robotframework-requests)
  Downloading charset_normalizer-3.3.2-cp312-cp312-win_amd64.whl.metadata (34 kB)
Requirement already satisfied: idna<4,>=2.5 in c:\users\vitor.lins\appdata\local\programs\python\python312\lib\site-packages (from requests->robotframework-requests) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\vitor.lins\appdata\local\programs\python\python312\lib\site-packages (from requests->robotframework-requests) (2.2.1)
Requirement already satisfied: certifi<=2017.4.17 in c:\users\vitor.lins\appdata\local\programs\python\python312\lib\site-packages (from requests->robotframework-requests) (2024.2.2)
Downloading robotframework_requests-0.9.7-py3-none-any.whl (21 kB)
Downloading requests-2.31.0-py3-none-any.whl (62 kB)
----- 62.6/62.6 kB 278.4 kB/s eta 0:00:00
Downloading charset_normalizer-3.3.2-cp312-cp312-win_amd64.whl (100 kB)
----- 100.4/100.4 kB 577.9 kB/s eta 0:00:00
Installing collected packages: charset-normalizer, requests, robotframework-requests
Successfully installed charset-normalizer-3.3.2 requests-2.31.0 robotframework-requests-0.9.7
```

- Verificando todas as instalações utilizando o comando "pip list" para garantir que todas as bibliotecas foram instaladas corretamente:

```

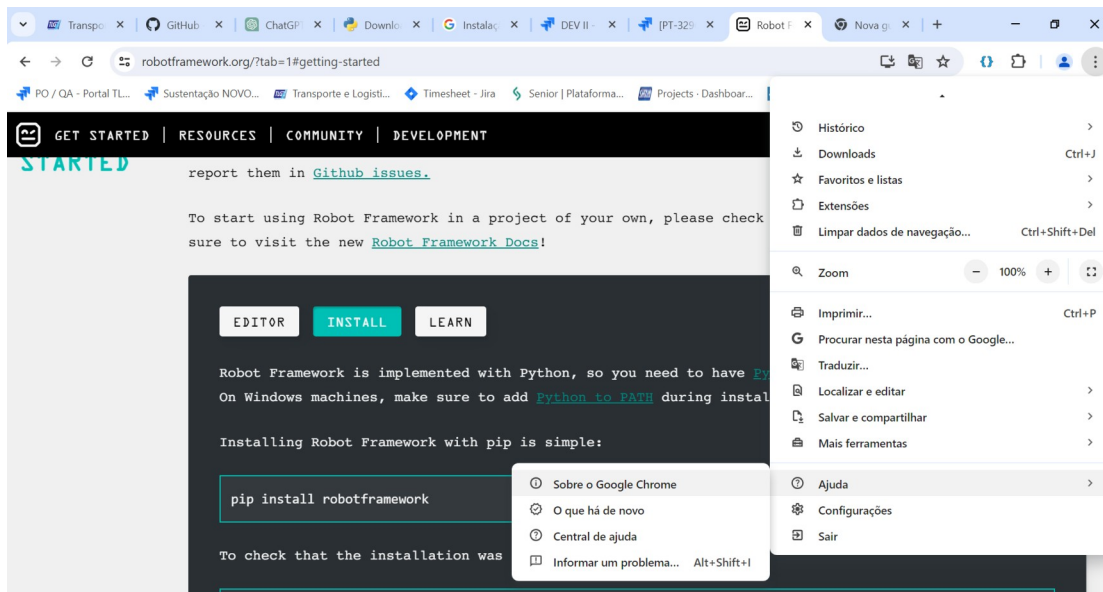
C:\Users\vitor.lins>pip list
Package            Version
-----
attrs              23.2.0
certifi            2024.2.2
cffi               1.16.0
charset-normalizer 3.3.2
h11                0.14.0
idna               3.7
outcome            1.3.0.post0
pip                24.0
pyparser           2.22
PySocks            1.7.1
requests           2.31.0
robotframework     7.0
robotframework-pythonlibcore 4.4.1
robotframework-requests 0.9.7
robotframework-seleniumlibrary 6.3.0
selenium           4.20.0
sniffio            1.3.1
sortedcontainers   2.4.0
trio               0.25.0
trio-websocket     0.11.1
typing_extensions  4.11.0
urllib3            2.2.1
wsproto            1.2.0
```

Instalações dos Drivers

Para rodar com sucesso os testes automatizados utilizando a seleniumLibrary, é necessário instalar os drivers dos navegadores que serão utilizados nos testes. Nesse documento será apresentado como realizar a instalação dos drivers do Chrome e do Firefox

- Realizando a instalação dos drivers do Google Chrome:

Antes de iniciar a instalação de algum driver, é necessário verificar a versão atual do seu google chrome, para isso acesse a opção: "Ajuda -> Sobre o Google Chrome"



Verifique qual é a versão atual do seu navegador e salve essa informação, pois será necessário para realizar o download do driver correspondente a sua versão.

Acesse o link: <https://googlechromelabs.github.io/chrome-for-testing/> e copie a URL do navegador compatível a sua versão.

A versão que utilizei no meu caso foi essa aqui: <https://storage.googleapis.com/chrome-for-testing-public/124.0.6367.91/win32/chrome-win32.zip>

- Para realizar a instalação do driver do firefox, não será necessário verificar a versão do navegador, apenas realize o download via opção:

link firefox: <https://github.com/mozilla/geckodriver/releases>

Realizando instalação dos Drivers

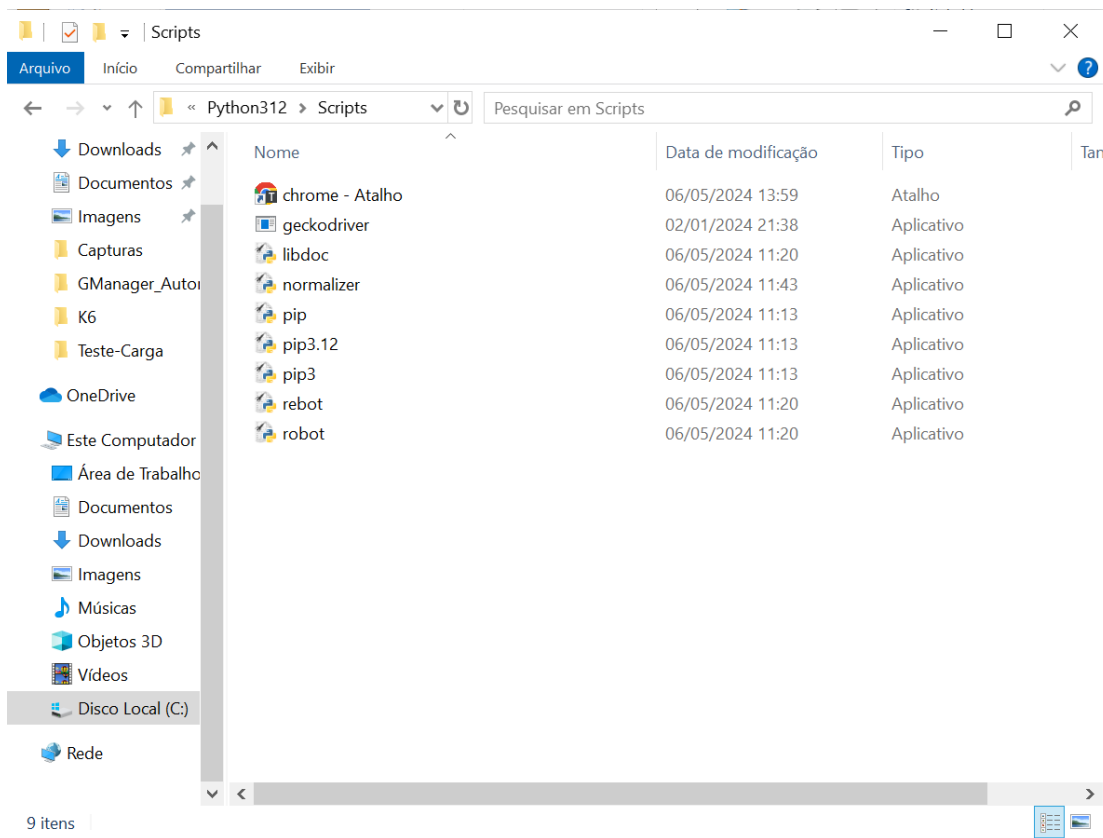
Após realizar o download dos drivers realize a extração deles, em seguida será necessário localizar a pasta scripts criada pelo python, para isso

Abra o "Prompt de Comando", digite "Editar as variáveis de ambiente para sua conta", selecione a opção "PATH", clique em "Editar" e em seguida copie o caminho criado no PATH:

C:\Users\vitor.lins\AppData\Local\Programs\Python\Python312\Scripts\

Após localizar a pasta de Scripts, mova os arquivos "Chrome - Atrhalho" e "geckodriver" extraídos para essa pasta:

(Caso sinta dificuldade em localizar a pasta, basta colar o caminho no campo superior esquerdo para realizar a busca)



Após realizar essa ação, abra o "Prompt de Comando" em seguida informe "chromedriver --version" e "gecko driver --version" para verificar se os drivers foram devidamente localizados:

```
C:\Users\vitor.lins> chromedriver --version
ChromeDriver 114.0.5735.90 (386bc09e8f4f2e025eddae123f36f6263096ae49-refs/branch-heads/5735@{#1052})

C:\Users\vitor.lins>geckodriver --version
geckodriver 0.34.0 (c44f0d09630a 2024-01-02 15:36 +0000)

The source code of this program is available from
testing/geckodriver in https://hg.mozilla.org/mozilla-central.

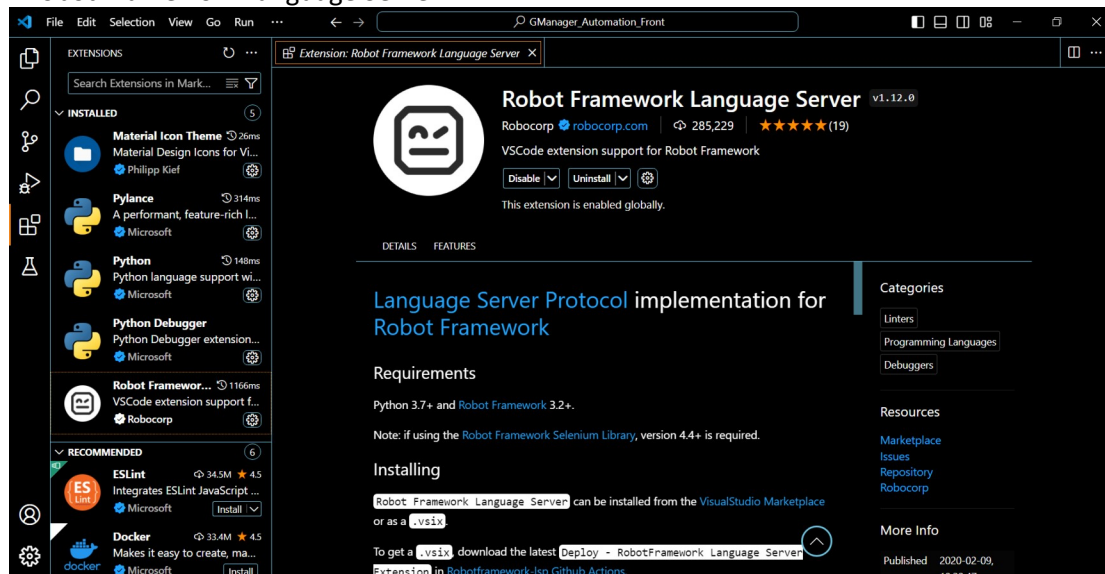
This program is subject to the terms of the Mozilla Public License 2.0.
You can obtain a copy of the license at https://mozilla.org/MPL/2.0/.

C:\Users\vitor.lins>
```

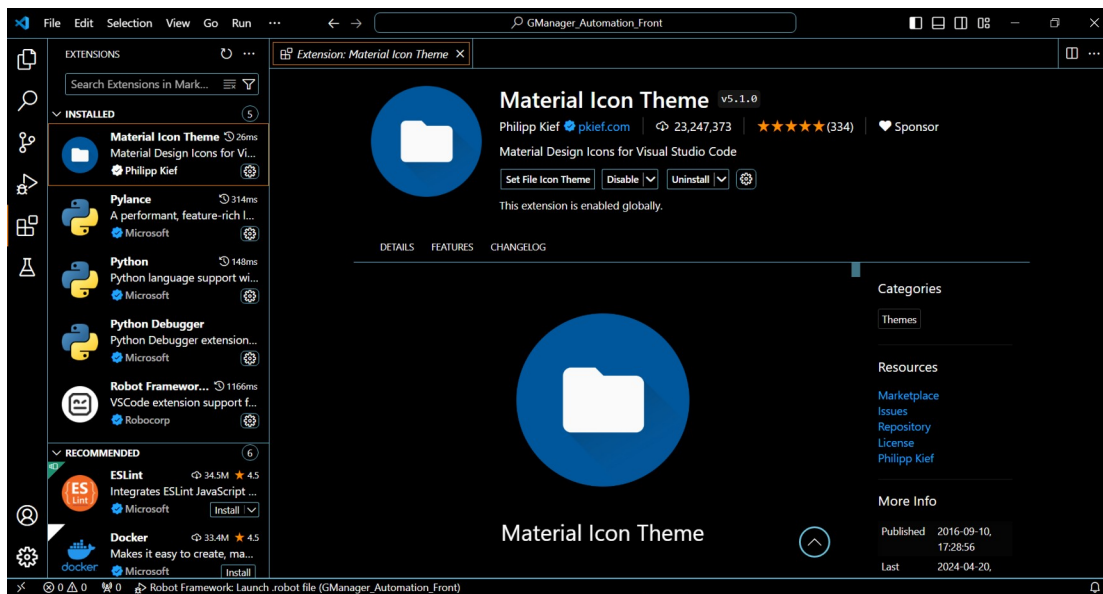
Instalação de plugins para o Robot

Para prosseguir na utilização do Robot, abra a sua IDE e realize a instalação dos seguintes plugins:

- Robot Framework Language Server:



- Material Icon Theme:



- Python:



Pode ser necessário também realizar a instalação do "Pylance" e "Python Debugger" caso a sua IDE solicite essas instalações