

环境配置：

root@intern-studio-50051 x

+

```
Collecting pure-eval (from stack-data->ipython)=7.23.1->ipykernel)
Using cached https://pypi.tuna.tsinghua.edu.cn/packages/2b/27/77f9d5684e6bce929f5cfe18d6cfbe5133013c06cb2fbf5933670e60761d/pure_eval-7.23.1-py3-none-any.whl
Installing collected packages: wcwidth, pure-eval, ptyprocess, traitlets, tornado, six, pyzmq, pygments, psutil, prompt-toolkit, platformdirs, decorator, debugpy, python-dateutil, matplotlib-inline, jupyter-core, jedi, comm, asttokens, stack-data, jupyter-client, ipython, ipykernel
Successfully installed asttokens-2.4.1 comm-0.2.2 debugpy-1.8.1 decorator-5.1.1 exceptiongroup-1.2.1 executing-2.0.1 ipykernel-6.29.4 ipython-8.12.0 matplotlib-inline-0.1.7 nest-asyncio-1.6.0 packaging-24.0 parso-0.8.4 pexpect-4.9.0 platformdirs-4.2.1 prompt-toolkit-3.0.43 psutil-5.9.8 ptyprocess-0.7.0 six-1.16.0 stack-data-0.6.3 tornado-6.4 traitlets-5.14.3 wcwidth-0.2.13
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use pipx or activate a virtual environment.
Installed kernelspec agent in /root/.local/share/jupyter/kernels/agent
conda环境: agent安装成功!

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ALL DONE!
=====

(base) root@intern-studio-50051048:/opt/jupyterlab# ^C
(base) root@intern-studio-50051048:/opt/jupyterlab# cd /root/agent
(base) root@intern-studio-50051048:~/agent# conda activate agent
(agent) root@intern-studio-50051048:~/agent# git clone https://gitee.com/internlm/lagent.git
Cloning into 'lagent'...
remote: Enumerating objects: 1019, done.
remote: Counting objects: 100% (605/605), done.
remote: Compressing objects: 100% (241/241), done.
remote: Total 1019 (delta 380), reused 566 (delta 355), pack-reused 414
Receiving objects: 100% (1019/1019), 447.62 KiB | 616.00 KiB/s, done.
Resolving deltas: 100% (577/577), done.
Updating files: 100% (103/103), done.
(agent) root@intern-studio-50051048:~/agent# cd lagent && git checkout 581d9fb && pip install -e . && cd ..
Note: switching to '581d9fb'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:
```

```

WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to
arnings/verw
(agent) root@intern-studio-50051048:~/agent# git clone https://gitee.com/internlm/agentlego.git
Cloning into 'agentlego'...
remote: Enumerating objects: 2389, done.
remote: Counting objects: 100% (2389/2389), done.
remote: Compressing objects: 100% (938/938), done.
remote: Total 2389 (delta 1402), reused 2387 (delta 1400), pack-reused 0
Receiving objects: 100% (2389/2389), 4.74 MiB | 1.77 MiB/s, done.
Resolving deltas: 100% (1402/1402), done.
Updating files: 100% (199/199), done.
(agent) root@intern-studio-50051048:~/agent# cd agentlego && git checkout 7769e0d && pip install -e . && cd ..
Note: switching to '7769e0d'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 7769e0d [Fix] Fix gen_kwargs in lagent_agent (#66)
Looking in indexes: https://pypi.tuna.tsinghua.edu.cn/simple
Obtaining file:///root/agent/agentlego
  Installing build dependencies ... done
  Checking if build backend supports build_editable ... done
  Getting requirements to build wheel ... done
  Installing backend dependencies ... done
  Preparing metadata (pyproject.toml) ... done

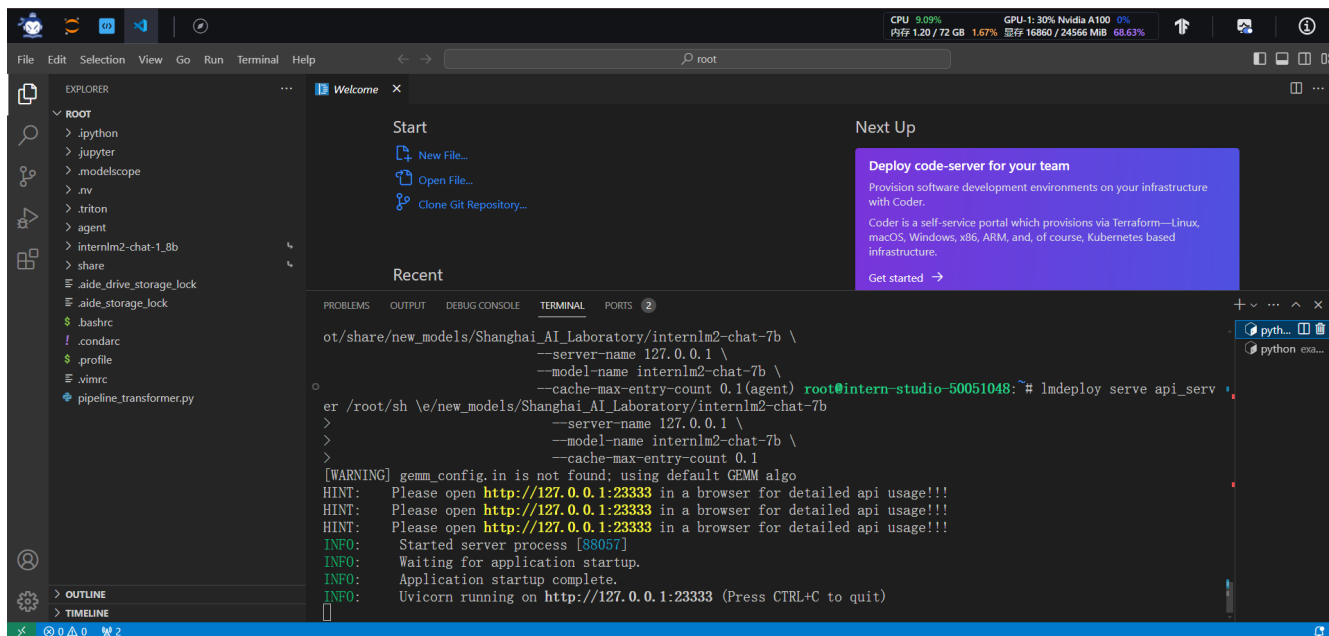
```

```

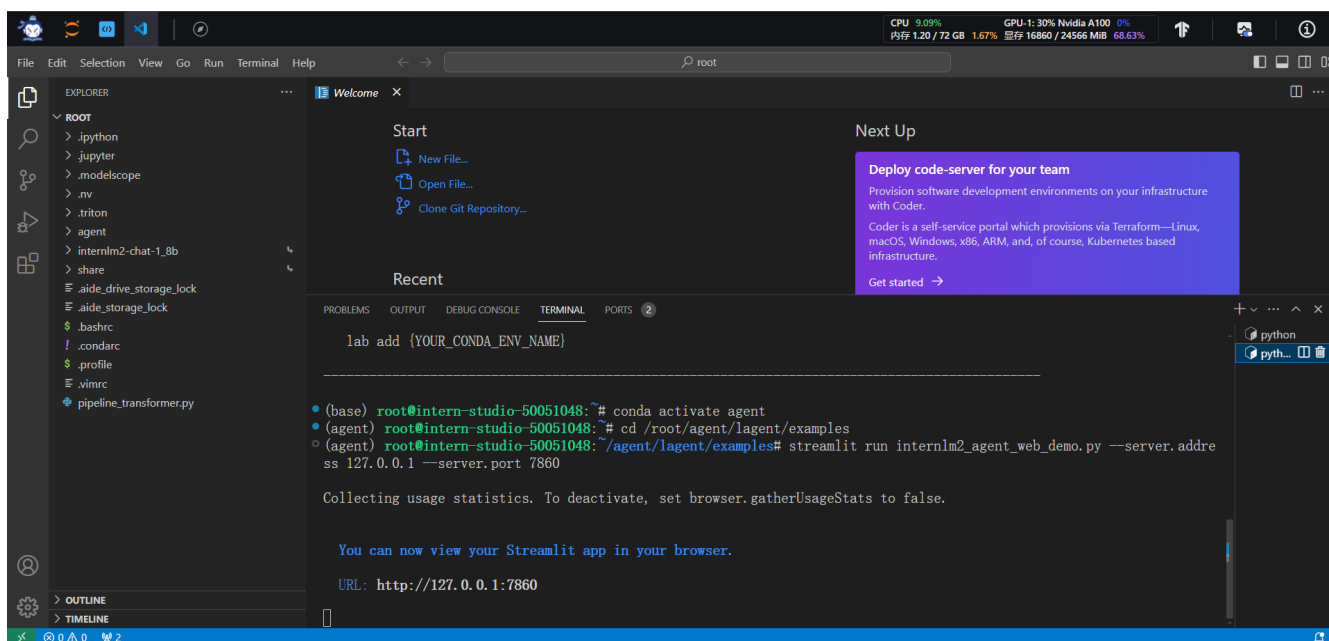
Successfully installed accelerate-0.29.3 fastapi-0.110.2 fire-0.6.0 fsspec-2024.3.1 huggingface-hub-0.22.2 importlib-metadata-7.1.
untime-cul2-12.4.127 nvidia-curand-cul2-10.3.5.147 nvidia-nccl-cul2-2.21.5 peft-0.9.0 pytorch-11.5.0 safetensors-0.4.3 sentencepie
nsformers-4.38.2 uvicorn-0.29.0 yapf-0.40.2 zipp-3.18.1
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager
arnings/verw
(agent) root@intern-studio-50051048:~/agent# cd /root/agent
(agent) root@intern-studio-50051048:~/agent# git clone -b camp2 https://gitee.com/internlm/Tutorial.git
Cloning into 'Tutorial'...
remote: Enumerating objects: 1321, done.
remote: Counting objects: 100% (1321/1321), done.
remote: Compressing objects: 100% (628/628), done.
remote: Total 1321 (delta 663), reused 1306 (delta 648), pack-reused 0
Receiving objects: 100% (1321/1321), 61.55 MiB | 5.97 MiB/s, done.
Resolving deltas: 100% (663/663), done.
Updating files: 100% (157/157), done.
(agent) root@intern-studio-50051048:~/agent#

```

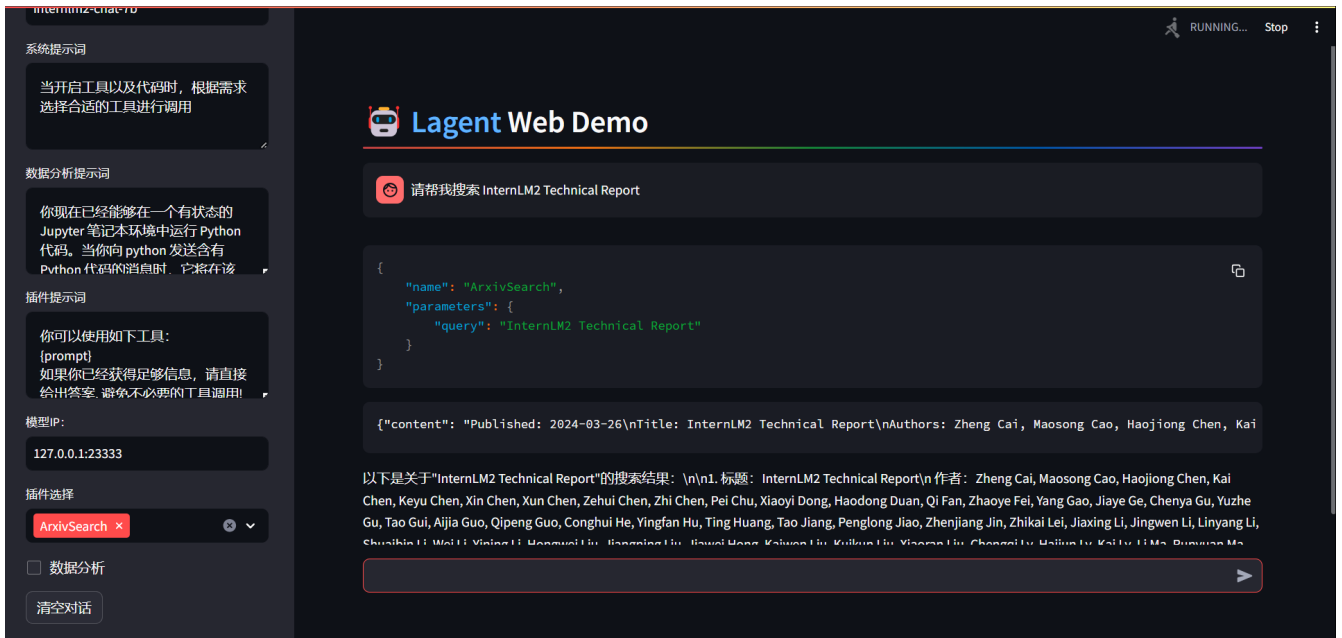
启动 api_server



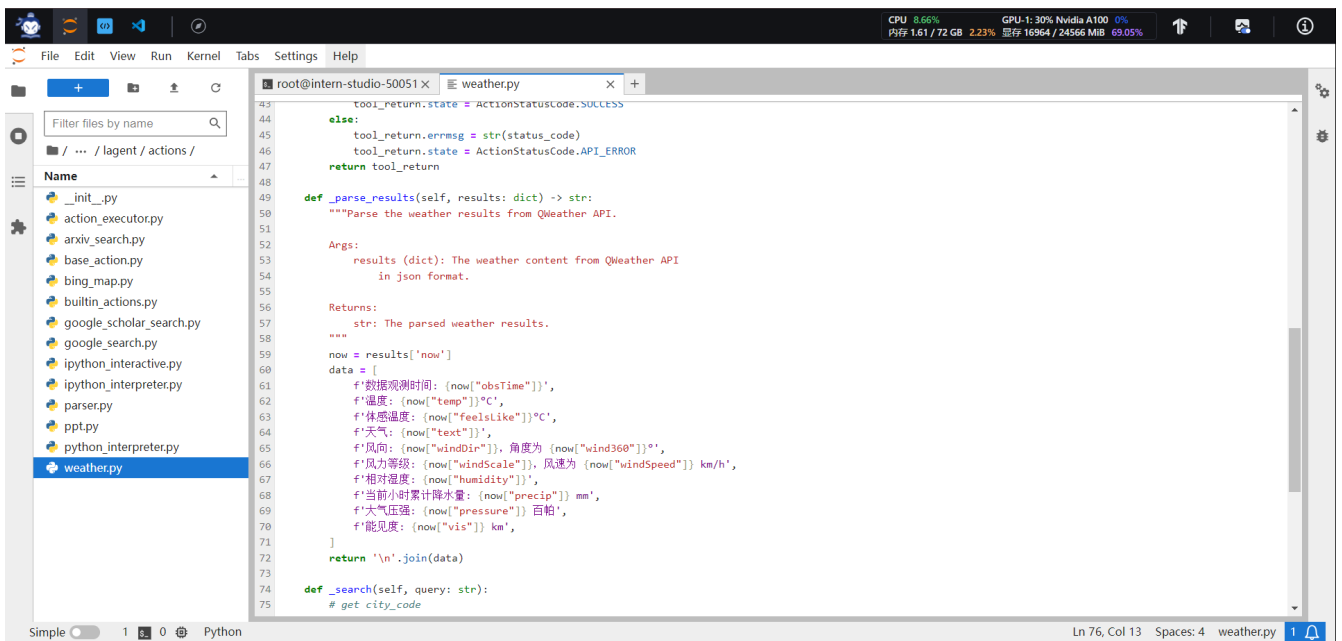
启动Lagent Web Demo



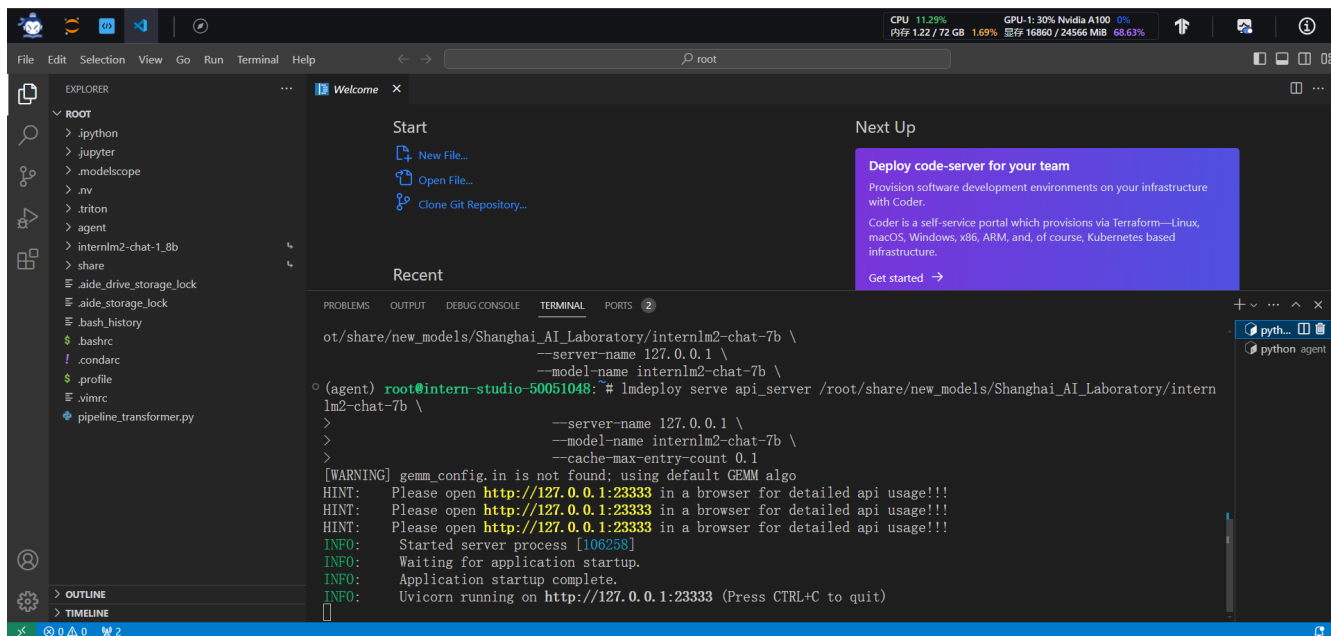
模型获得在 arxiv 上搜索论文的能力



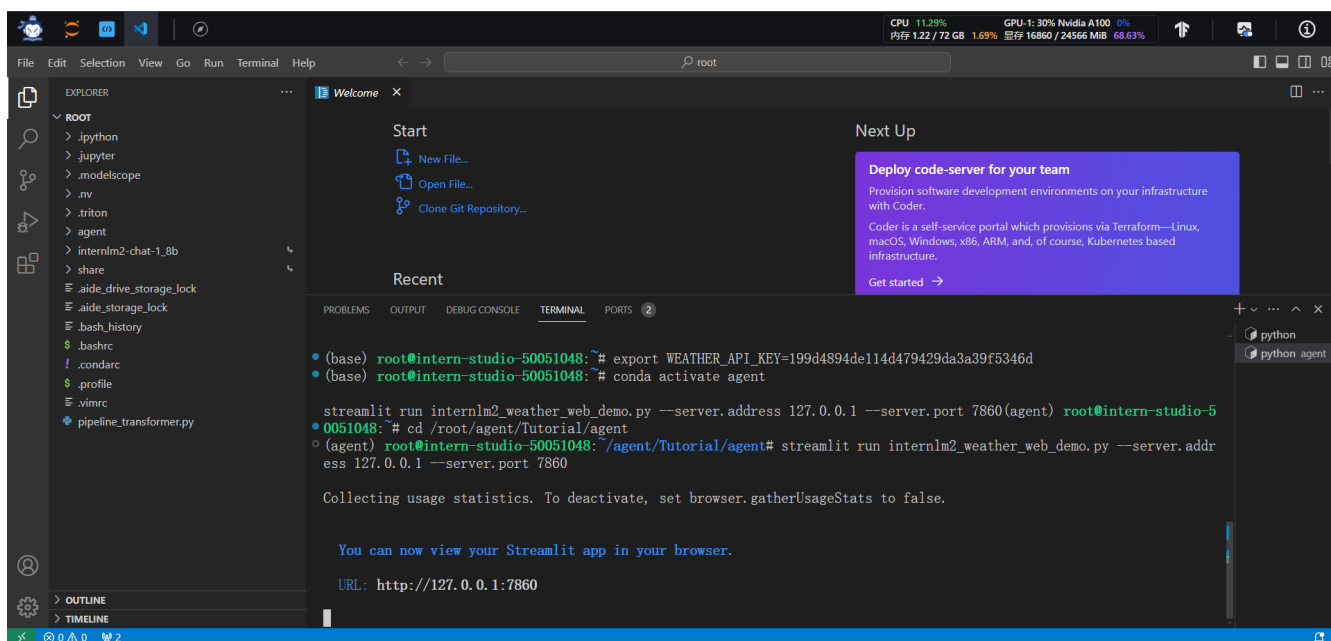
和风天气：



启动 api_server



启动Lagent Web Demo



启动自定义天气查询

当开启工具以及代码时，根据需求选择合适的工具进行调用

数据分析提示词

解析和自然语言处理），机器学习用数据科学（用于展示模型训练和数据可视化），以及文件操作和数据导入（处理CSV、JSON等格式的文件）。

插件提示词

你可以使用如下工具：
{prompt}
如果你已经获得足够信息，请直接给出答案，避免不必要的工具调用！同时注意

模型IP：

127.0.0.1:23333

插件选择

WeatherQuery

☐ 数据分析

清空对话

上传文件

Drop and drag files here

RUNNING... Stop

请帮我查询以下北京的天气

```
{  "name": "WeatherQuery",  "parameters": {    "query": "北京"  } }
```

数据观测时间：2024-04-25T21:56+08:00

温度：20°C

体感温度：21°C

天气：多云

风向：东北风，角度为 53°

风力等级：1，风速为 3 km/h

相对湿度：68

当前小时累计降水量：0.0 mm

大气压强：997 百帕

能见度：9 km

北京今天的天气是多云，温度为20°C，体感温度为21°C。东北风，风速为3 km/h，相对湿度为68%。大气压强为997 百帕，能见度为9 km。