

入门岛-mass

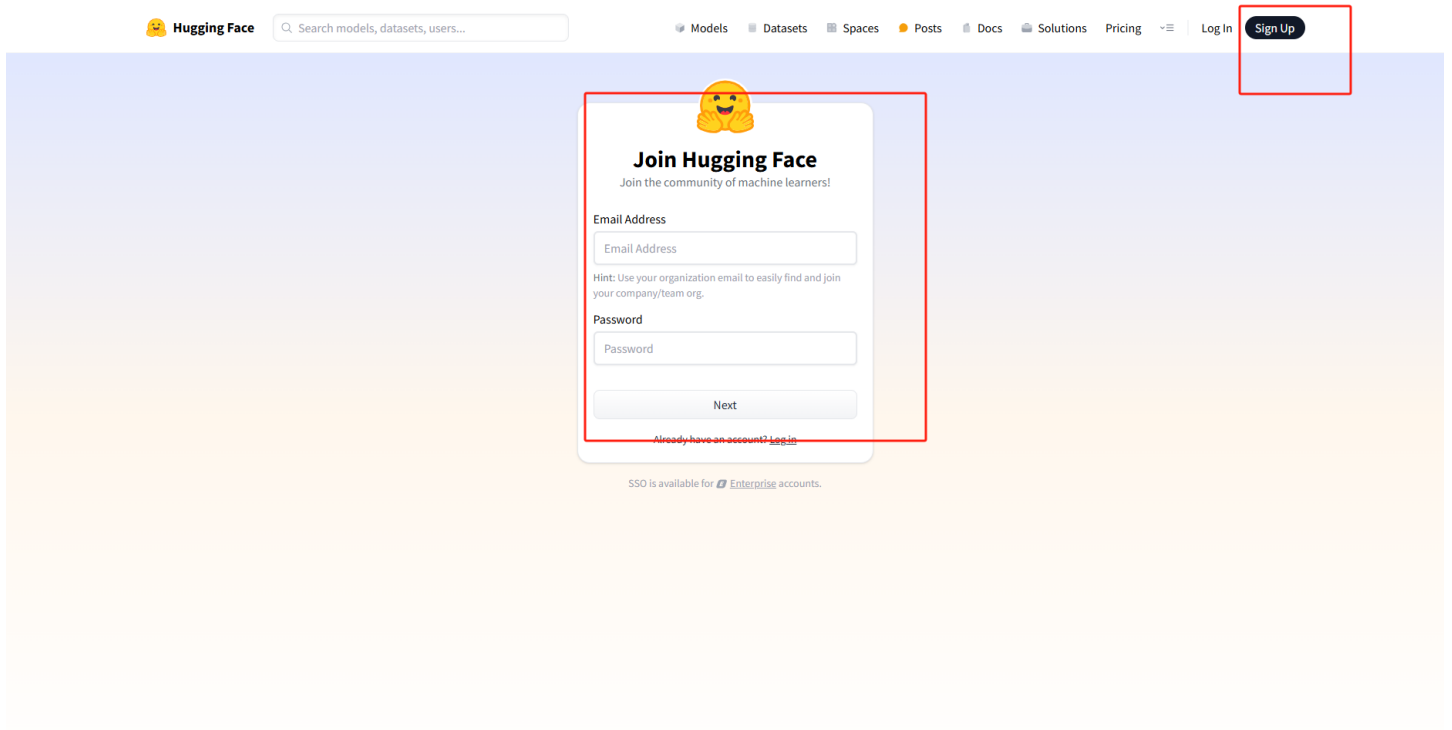


闯关任务

闯关任务需要在关键步骤当中截图！

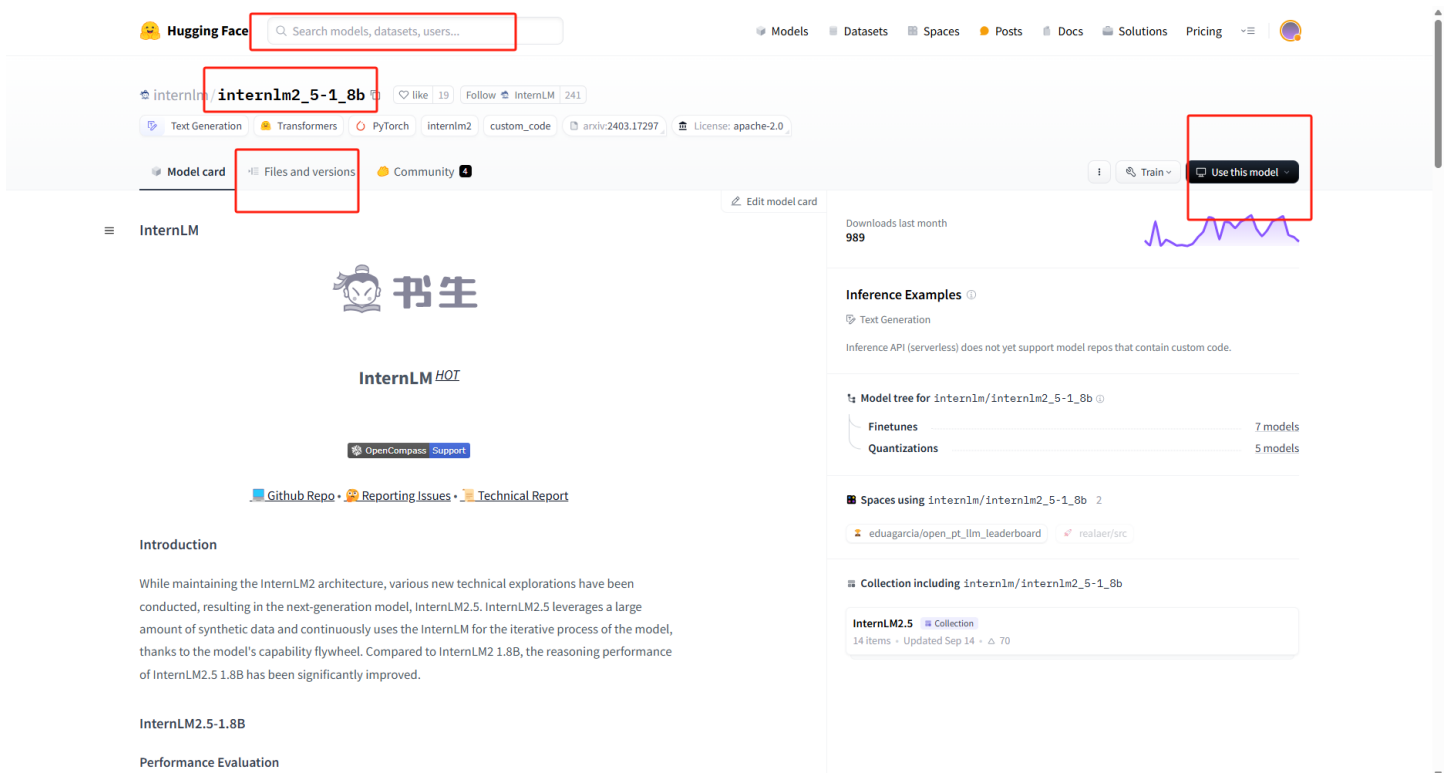
任务	描述	时间
模型下载	使用Hugging Face平台、魔搭社区平台（可选）和魔乐社区平台（可选）下载文档中提到的模型（至少需要下载config.json文件、model.safetensors.index.json文件），请在必要的步骤以及结果当中截图。	20min
模型上传 （可选）	将我们下载好的config.json文件（也自行添加其他模型相关文件）上传到对应HF平台和魔搭社区平台，并截图。	10min
Space上传 （可选）	在HF平台上使用Spaces并把intern_cobuild部署成功，关键步骤截图。	10min

注册Hugging Face平台<https://huggingface.co/>

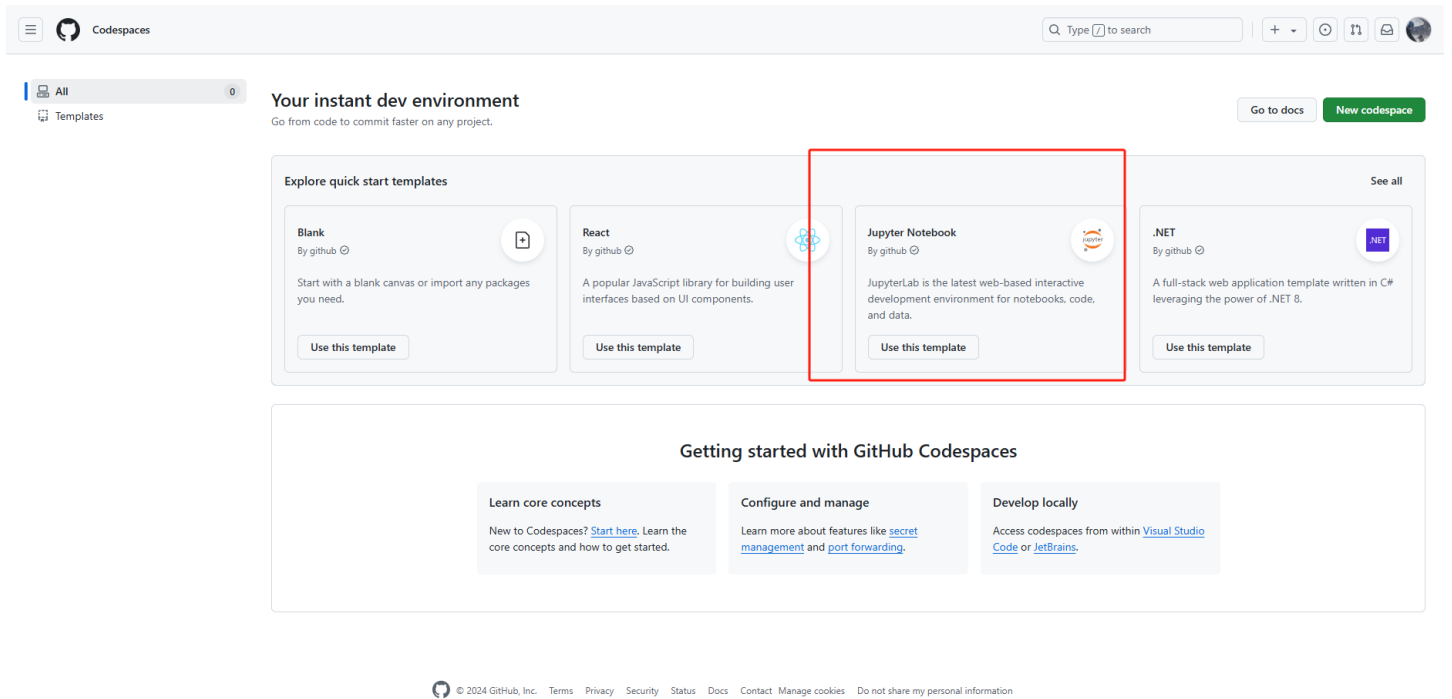


下载internlm2_5-7b模型的部分配置文件

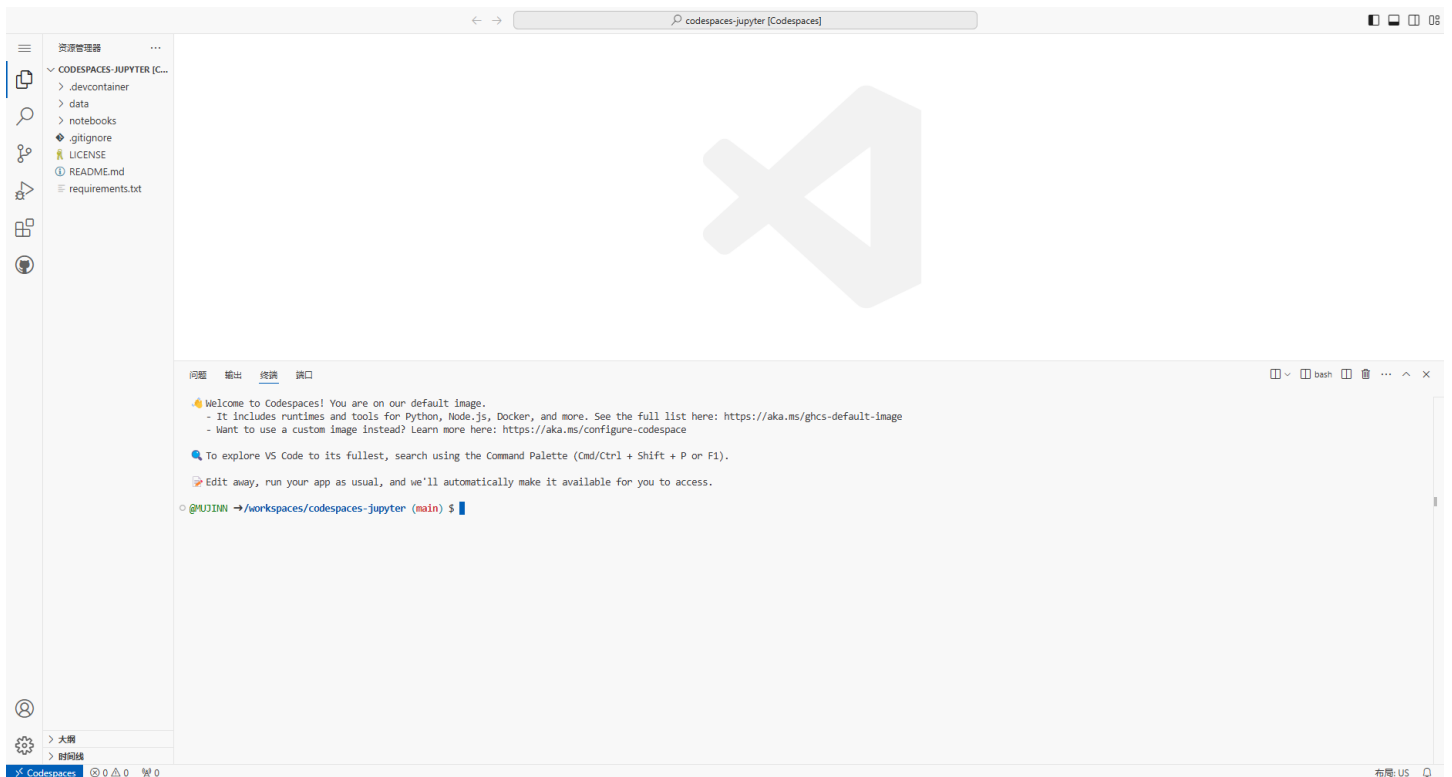
1. 可直接在搜索框搜索internlm2_5-1_8b，点击Files and versions可查看模型文件



2. 利用GitHub提供的Codespace 进行模型的下载和运行 <https://github.com/codespaces>

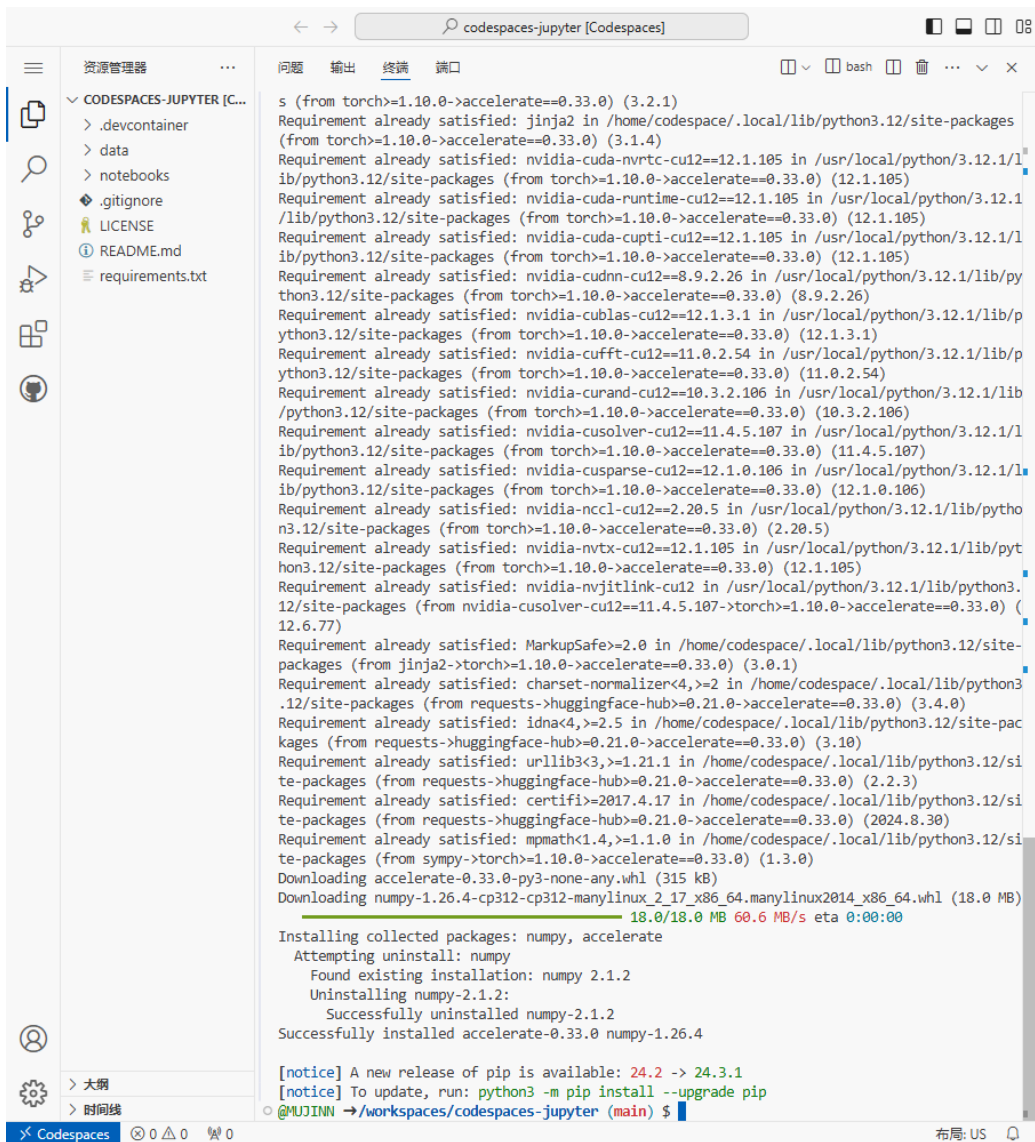


3. 利用Jupyter Notebook

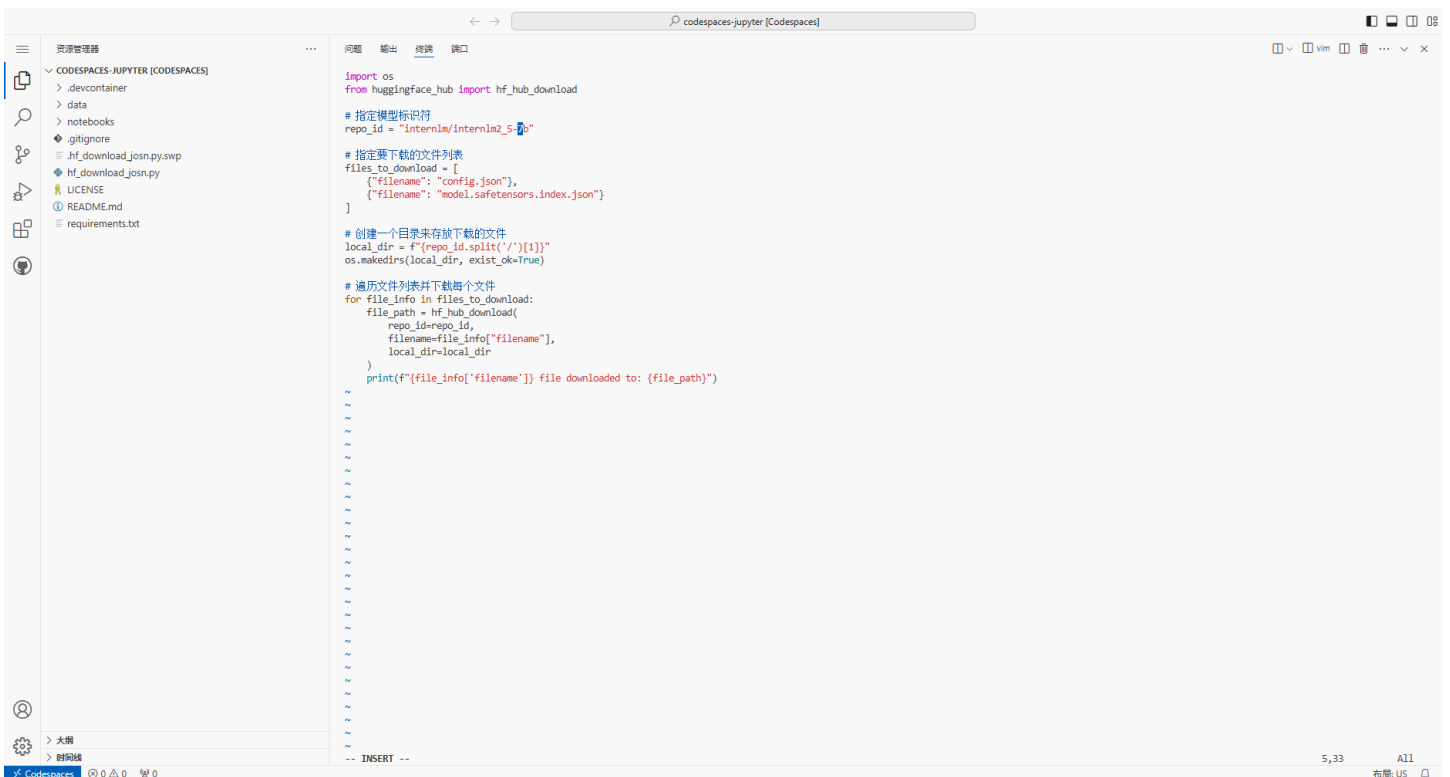


4. 安装依赖

- 1 pip install transformers==4.38
- 2 pip install sentencepiece==0.1.99
- 3 pip install einops==0.8.0
- 4 pip install protobuf==5.27.2
- 5 pip install accelerate==0.33.0



5. 下载配置文件



```
codepaces-jupyter (CodeSpaces)
┌─┴─┐
│  资源管理器  |  问题  输出  终端  窗口
├─┴─┐
│  > CODESPACES |  Downloading numpy-1.26.4-cp312-cp312-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (61 kB)
│  > .devcontainer |  Requirement already satisfied: packaging>=20.0 in /home/codespace/.local/lib/python3.12/site-packages (from accelerate==0.33.0) (24.1)
│  > date |  Requirement already satisfied: psutil in /home/codespace/.local/lib/python3.12/site-packages (from accelerate==0.33.0) (6.0.0)
│  > internlm2_5-7b |  Requirement already satisfied: pyyaml in /home/codespace/.local/lib/python3.12/site-packages (from accelerate==0.33.0) (6.0.2)
│  > .cache |  Requirement already satisfied: torch==1.10.0 in /usr/local/python3.12.1/lib/python3.12/site-packages (from accelerate==0.33.0) (2.3.0)
│  > |  Requirement already satisfied: huggingface-hub>=0.21.0 in /usr/local/python3.12.1/lib/python3.12/site-packages (from accelerate==0.33.0) (0.26.2)
│  > |  Requirement already satisfied: safetensors>=0.3.1 in /usr/local/python3.12.1/lib/python3.12/site-packages (from accelerate==0.33.0) (0.4.5)
│  > |  Requirement already satisfied: filelock in /home/codespace/.local/lib/python3.12/site-packages (from huggingface-hub>=0.21.0-accelerate==0.33.0) (3.13.1)
│  > |  Requirement already satisfied: fsspec>=2023.5.0 in /home/codespace/.local/lib/python3.12/site-packages (from huggingface-hub>=0.21.0-accelerate==0.33.0) (2024.2.0)
│  > |  Requirement already satisfied: requests in /home/codespace/.local/lib/python3.12/site-packages (from huggingface-hub>=0.21.0-accelerate==0.33.0) (2.32.3)
│  > |  Requirement already satisfied: tqdm>=4.42.1 in /usr/local/python3.12.1/lib/python3.12/site-packages (from huggingface-hub>=0.21.0-accelerate==0.33.0) (4.66.4)
│  > |  Requirement already satisfied: typing-extensions>=3.7.4.3 in /home/codespace/.local/lib/python3.12/site-packages (from huggingface-hub>=0.21.0-accelerate==0.33.0) (4.9.0)
│  > |  Requirement already satisfied: sympy in /home/codespace/.local/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (1.13.1)
│  > |  Requirement already satisfied: networkx in /home/codespace/.local/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (3.2.1)
│  > |  Requirement already satisfied: Jinja2 in /home/codespace/.local/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (3.1.4)
│  > |  Requirement already satisfied: nvidia-cuda-nvrtc-cu12==12.1.105 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.105)
│  > |  Requirement already satisfied: nvidia-cuda-runtime-cu12==12.1.105 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.105)
│  > |  Requirement already satisfied: nvidia-cuda-cupti-cu12==12.1.105 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.105)
│  > |  Requirement already satisfied: nvidia-cudnn-cu12==8.9.2.26 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (8.9.2.26)
│  > |  Requirement already satisfied: nvidia-cublas-cu12==12.1.3.1 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.3.1)
│  > |  Requirement already satisfied: nvidia-cufft-cu12==11.0.5.24 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (11.0.5.24)
│  > |  Requirement already satisfied: nvidia-curand-cu12==10.2.3.106 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (10.2.3.106)
│  > |  Requirement already satisfied: nvidia-cusolver-cu12==11.4.5.107 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (11.4.5.107)
│  > |  Requirement already satisfied: nvidia-cuspars-cu12==12.1.0.106 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.0.106)
│  > |  Requirement already satisfied: nvidia-cusparse-cu12==12.0.5 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.0.5)
│  > |  Requirement already satisfied: nvidia-nvtx-cu12==12.1.105 in /usr/local/python3.12.1/lib/python3.12/site-packages (from torch>=1.10.0-accelerate==0.33.0) (12.1.105)
│  > |  Requirement already satisfied: nvidia-mvjitlink-cu12 in /home/codespace/.local/lib/python3.12/site-packages (from nvidia-cusolver-cu12==11.4.5.107-torch>=1.10.0-accelerate==0.33.0) (12.6.77)
│  > |  Requirement already satisfied: MarkupSafe>=2.0 in /home/codespace/.local/lib/python3.12/site-packages (from Jinja2>=2.0-torch>=1.10.0-accelerate==0.33.0) (3.0.1)
│  > |  Requirement already satisfied: charset-normalizer<4,>=2 in /home/codespace/.local/lib/python3.12/site-packages (from requests>huggingface-hub>=0.21.0-accelerate==0.33.0) (3.4.0)
│  > |  Requirement already satisfied: charset4,>=2.5 in /home/codespace/.local/lib/python3.12/site-packages (from requests>huggingface-hub>=0.21.0-accelerate==0.33.0) (3.1.0)
│  > |  Requirement already satisfied: urllib3<3,>=1.21.1 in /home/codespace/.local/lib/python3.12/site-packages (from requests>huggingface-hub>=0.21.0-accelerate==0.33.0) (2.2.3)
│  > |  Requirement already satisfied: certifi>=2017.4.17 in /home/codespace/.local/lib/python3.12/site-packages (from requests>huggingface-hub>=0.21.0-accelerate==0.33.0) (2024.8.30)
│  > |  Requirement already satisfied: mmh3<4.4,>=1.0 in /home/codespace/.local/lib/python3.12/site-packages (from sympy>torch>=1.10.0-accelerate==0.33.0) (1.3.0)
│  > |  Downloading accelerate-0.33.0-py3-none-any.whl (315 kB)
│  > |  Downloading numpy-1.26.4-cp312-cp312-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (18.0 MB)
│  > |  18.0/18.0 MB  60.6 MB/s eta 0:00:00
│  > |  Installing collected packages: numpy, accelerate
│  > |  Attempting uninstall: numpy
│  > |  Found existing installation: numpy 2.1.2
│  > |  Uninstalling numpy-2.1.2:
│  > |  Successfully uninstalled numpy-2.1.2
│  > |  Successfully installed accelerate-0.33.0 numpy-1.26.4
│  > |  [notice] A new release of pip is available: 24.2 -> 24.3.1
│  > |  [notice] To update, run: python3 -m pip install --upgrade pip
│  > |  @UJITIN → /workspaces/codespaces-jupyter (main) $ touch hf_download_json.py
│  > |  @UJITIN → /workspaces/codespaces-jupyter (main) $ vim hf_download_json.py
│  > |  @UJITIN → /workspaces/codespaces-jupyter (main) $ python hf_download_json.py
│  > |  config.json: 100% | 895/895 [00:00<00:00, 7.66MB/s]
│  > |  config.json file downloaded to: internlm2_5-7b/config.json
│  > |  model.safetensors.index.json: 100% | 18.2K/18.2K [00:00<00:00, 89.0MB/s]
│  > |  model.safetensors.index.json file downloaded to: internlm2_5-7b/model.safetensors.index.json
│  > |  @UJITIN → /workspaces/codespaces-jupyter (main) $ []
```