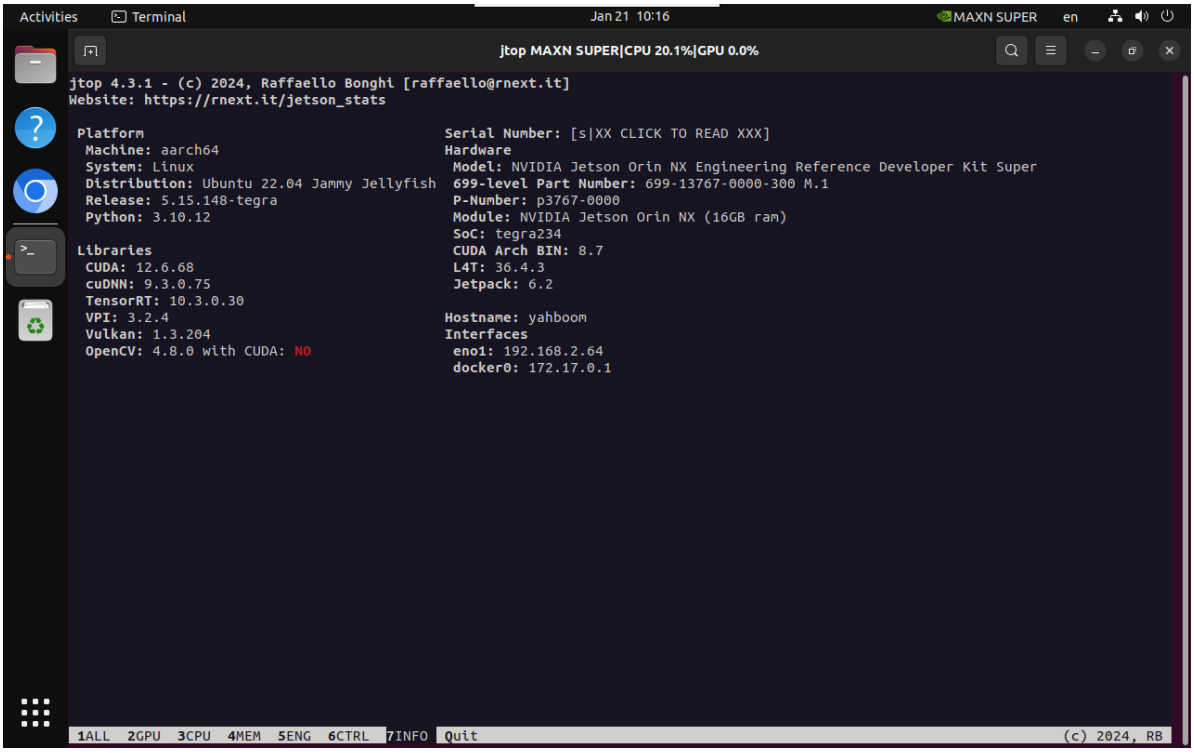
Torchvision

1. System information



2. Install dependencies

```
sudo apt update
```

```
sudo apt install ninja-build libwebp-dev libjpeg-dev -y
```

3. Install Torchvision

According to the version correspondence between PyTorch and Torchvision, we need to install v0.20 version of Torchvision

torch	torchvision	Python
`main` / `nightly`	`main` / `nightly`	`>=3.9`, `<=3.12`
`2.5`	`0.20`	`>=3.9`, `<=3.12`

3.1. Offline installation

Manually go to the download website to download the latest Torchvision version.

Download URL: https://github.com/ultralytics/assets/releases/download/v0.0.0/torchvision-0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl

```
cd Downloads/
```

```
sudo pip3 install torchvision-0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl
```

3.2, Online Installation

```
sudo pip3 install
https://github.com/ultralytics/assets/releases/download/v0.0.0/torchvision-
0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl
```

3.3. Source code compilation

Manually download v0.20 version:

```
https://github.com/pytorch/vision/tree/v0.20.0
```

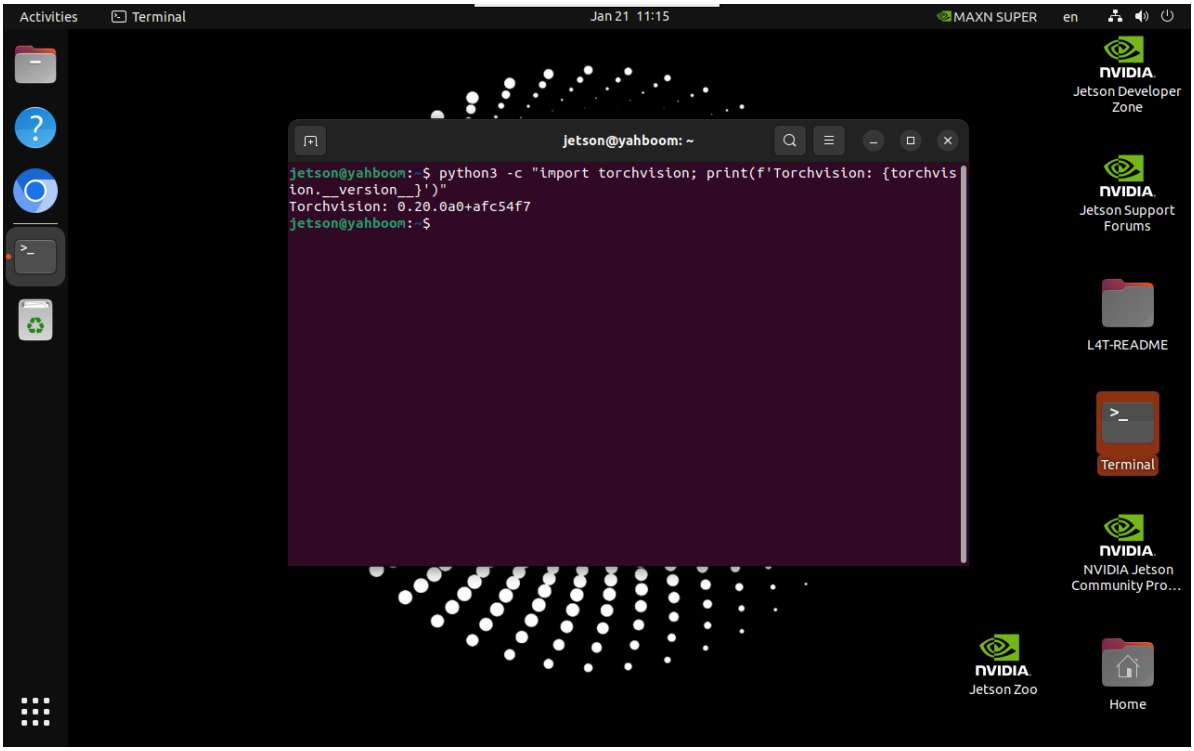
Enter the unzipped folder downloaded from github to compile the source code:

```
cd vision-0.20.0
```

```
sudo python3 setup.py install
```

4. Verify installation

```
python3 -c "import torchvision; print(f'Torchvision:
{torchvision.__version__}')"
```



References

https://github.com/pytorch/vision

https://docs.ultralytics.com/guides/nvidia-jetson/