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**Building GPU-based Ubuntu 14.04 machine**

1 message

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Tue, Apr 17, 2018 at 5:23 PM

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Instructions attached as PDF

Plus extras:

```
cd /usr/lib/cuda/lib64
sudo ln -s libcudnn.so.6.0.20 libcudnn.so.5
```

Upgrade Python to 2.7.14 using steps in <<https://askubuntu.com/questions/725171/update-python-2-7-to-latest-version-of-2-x>>:

```
sudo add-apt-repository ppa:jonathonf/python-2.7
sudo apt-get update
sudo apt-get install python2.7
```

&lt;Restart shell&gt;

```
python --version
```

Activate new environment and install new packages:

```
virtualenv --system-site-packages pylprague
source pylprague/bin/activate
pip install --upgrade pip
pip install tensorflow-gpu==1.4.1 keras==2.1.5 nltk==3.2.5 jupyter
```

(Note tensorflow-gpu 1.5 and above do not work with CUDA 8 which is all that you can install on Ubuntu 14.04)

**Building a GPU based Ubutu Desktop for Deep Learning.pdf**

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