A. CUDA 11.7 Installation

1. Upgrade the system, and reboot if required.

$ sudo apt update

$ sudo apt upgrade

$ sudo reboot

2. Install CUDA Toolkit from official site.

$ wget https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86_64/cuda-ubuntu2204.pin

$ sudo mv cuda-ubuntu2204.pin /etc/apt/preferences.d/cuda-repository-pin-600

$ wget https://developer.download.nvidia.com/compute/cuda/11.7.0/local_installers/cuda-repo-ubuntu2204-11-7-local_11.7.0-515.43.04-1_amd64.deb

$ sudo dpkg -i cuda-repo-ubuntu2204-11-7-local_11.7.0-515.43.04-1_amd64.deb

$ sudo cp /var/cuda-repo-ubuntu2204-11-7-local/cuda-*-keyring.gpg /usr/share/keyrings/

$ sudo apt-get update

$ sudo apt-get -y install cuda

Add CUDA into the PATH.

$ echo 'export PATH=/usr/local/cuda-11.7/bin${PATH:+:${PATH}}' >> ~/.bashrc

$ echo 'export LD_LIBRARY_PATH=/usr/local/cuda11.7/lib64${LD_LIBRARY_PATH:+:${LD_LIBRARY_PATH}}' >> ~/.bashrc

3. Reboot the computer.

$ sudo reboot

Verify the installation.

$ nvcc --version

$ nvidia-smi

B. Anaconda Installation

1. Install Anaconda

wget https://repo.anaconda.com/archive/Anaconda3-2020.02-Linux-x86_64.sh

bash Anaconda3-2020.02-Linux-x86_64.sh

2. Reboot the computer.

$ sudo reboot