Install the ROS on the JETSON-NANO:

Install ROS1 on Jetson-Nano and not ROS2.Edit: It is possible to install ROS2 on Ubuntu 18.04 however, All ROS2 versions that can be installed on Ubuntu 18.04 have reached their EOL (end-of-life). Even though it's possible, it's not recommended since security updates and the like no longer take place on those versions.

ROS1 (Melodic) Installation STEPS:

After you get into the Jetson-Nano and Ubuntu is set up and ready to go, open the CMD and paste these instructions line after line:

```
1- sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > '/etc/apt/sources.list.d/ros-latest.list

2- sudo apt install curl

3- curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key - add

4- sudo apt update

5- sudo apt install ros-melodic-desktop-full

6- echo "source /opt/ros/melodic/setup.bash" >> ~/.bashrc

source ~/.bashrc

7- sudo apt install python-rosdep python-rosinstall python-rosinstall-generator python-wstool build-essential

8- sudo apt install python-rosdep

9- sudo rosdep init

rosdep update
```

If you executed all these commands without any errors popping up then ROS has been successfully installed.

Now all is good, but that doesn't mean that you can start working on it immediately, you first must create a workspace.

Refer to this: http://wiki.ros.org/ROS/Tutorials/InstallingandConfiguringROSEnvironment#Create_a_ROS_Workspace.

After that you are free to begin working on your projects.

ROS2 for the JETSON-NANO:
https://qengineering.eu/install-ubuntu-20.04-on-jetson-nano.html#:~:text=You%20can%20do%20this%20by,upgrade%20and%20clean%20your%20system.&text=Next%2C%20you%20need%20to%20enable,manager%2Frelease-upgrades%20file.