

1. Install make

- sudo apt-get update -y
- sudo apt-get install -y make

2. install cmake

- sudo apt-get update -y
- sudo apt-get install -y cmake-gui

3. install openjdk8

- sudo apt-get update && sudo apt-get upgrade
 - sudo apt-get install openjdk-8-jdk
 - java -version
 - javac -version
 - sudo apt-get install openjdk-8-jre
 - echo "JAVA_HOME=\$(which java)" | sudo tee -a /etc/environment
 - source /etc/environment
 - echo \$JAVA_HOME
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- sudo apt update
 - sudo apt install openjdk-8-jdk

4. NetBeans 8.2 Released, How to Install it in Ubuntu 16.04

- <https://websiteforstudents.com/how-to-install-netbeans-on-ubuntu-16-04-17-10-18-04/>
- cd /tmp && wget -c
- <http://download.netbeans.org/netbeans/8.2/final/bundles/netbeans-8.2-linux.sh>
- chmod +x netbeans-8.2-linux.sh
- sudo ./netbeans-8.2-linux.sh

5. install codeblock

- sudo apt install codeblocks
- wget http://sourceforge.net/projects/codeblocks/files/Binaries/17.12/Linux/Debian%20stable/codeblocks_17.12-1_amd64_stable.tar.xz
- sudo tar xvf codeblocks_17.12-1_amd64_stable.tar.xz
- sudo apt install ./codeblocks_17.12-1_amd64.deb ./codeblocks-common_17.12-1_all.deb ./libcodeblocks0_17.12-1_amd64.deb ./codeblocks-dev_17.12-1_amd64.deb ./codeblocks-headers_17.12-1_all.deb /*wx*.deb
- sudo apt install gcc
- sudo apt install clang
- sudo apt install mingw-w64

6. install pycharm

<https://itsfoss.com/install-pycharm-ubuntu/>

- sudo add-apt-repository ppa:ubuntu-desktop/ubuntu-make
 - sudo apt-get update
 - sudo apt-get install ubuntu-make
 - umake ide pycharm
 - umake ide pycharm-professional
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7. install android studio

<https://websiteforstudents.com/how-to-install-android-studio-ide-for-linux-on-ubuntu-16-04-18-04-18-10/>

- wget https://dl.google.com/dl/android/studio/ide-zips/3.2.1.0/android-studio-ide-181.5056338-linux.zip -P /tmp
 - sudo unzip -d /opt /tmp/android-studio-ide-181.5056338-linux.zip
 - sh /opt/android-studio/bin/studio.sh
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8. install python 3.7

<https://websiteforstudents.com/installing-the-latest-python-3-7-on-ubuntu-16-04-18-04/>

<https://tecadmin.net/install-python-3-7-on-ubuntu-linuxmint/>

- sudo apt update
 - sudo apt install build-essential zlib1g-dev libncurses5-dev libgdbm-dev libnss3-dev libssl-dev libreadline-dev libffi-dev wget
 - cd /tmp
 - wget https://www.python.org/ftp/python/3.7.2/Python-3.7.2.tar.xz
 - tar -xf Python-3.7.2.tar.xz
 - cd Python-3.7.2
 - ./configure --enable-optimizations
 - make -j 1
 - sudo make altinstall
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9. install nodejs

<https://www.digitalocean.com/community/tutorials/how-to-install-node-js-on-ubuntu-16-04>

- sudo apt-get install nodejs
 - sudo apt-get install npm
 - nodejs -v
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10. install Arduino

<https://websiteforstudents.com/how-to-install-arduino-ide-on-ubuntu-18-04-16-04/>

- cd /tmp

- wget https://downloads.arduino.cc/arduino-1.8.12-linux64.tar.xz
- tar -xvf arduino-1.8.12-linux64.tar.xz
- cd arduino-1.8.12/
- sudo ./install.sh

11. install wxbuilder <https://zoomadmin.com/HowToInstall/UbuntuPackage/wxformbuilder>

- sudo apt-get update -y
- sudo apt-get install -y wxformbuilder

12. Install git form <https://www.digitalocean.com/community/tutorials/how-to-install-git-on-ubuntu-16-04>

source -sudo apt-get install git

13. opencv3.4 or 4.2

14. darknet
