

Prepared by Muhammad Ali

TENSORFLOW

INSTALLATION GUIDE

(LINUX VERSION)

By

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DISCLAIMER

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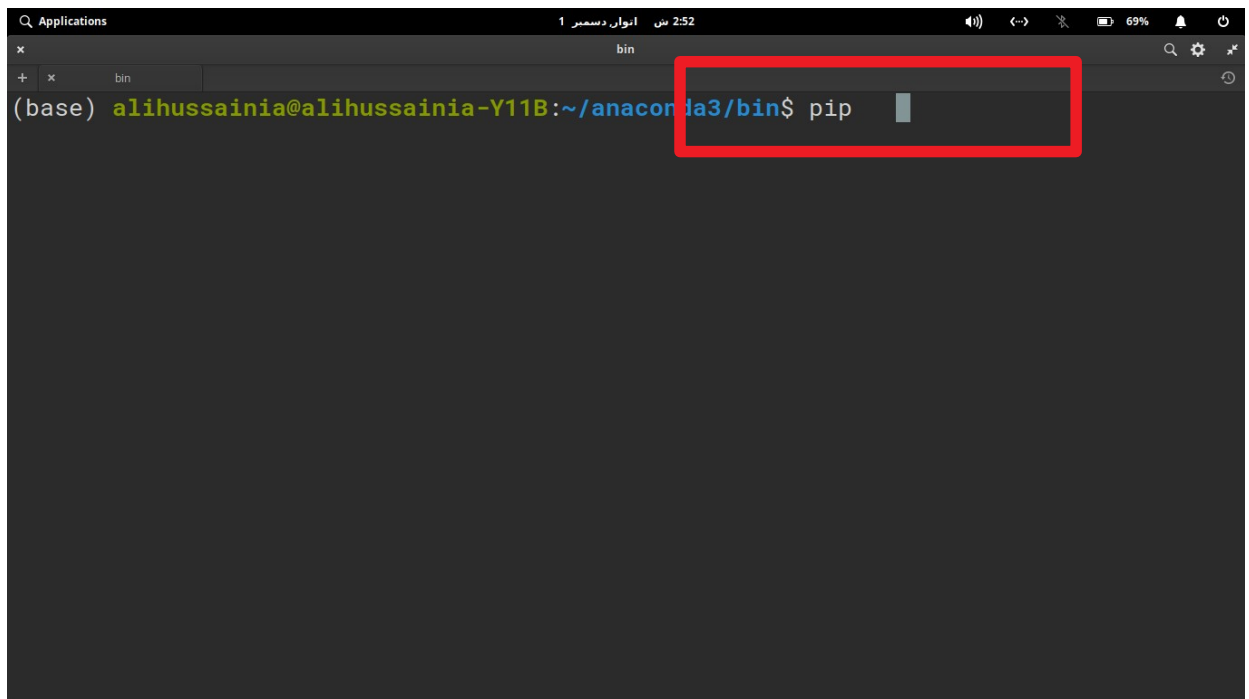
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Prerequisite:

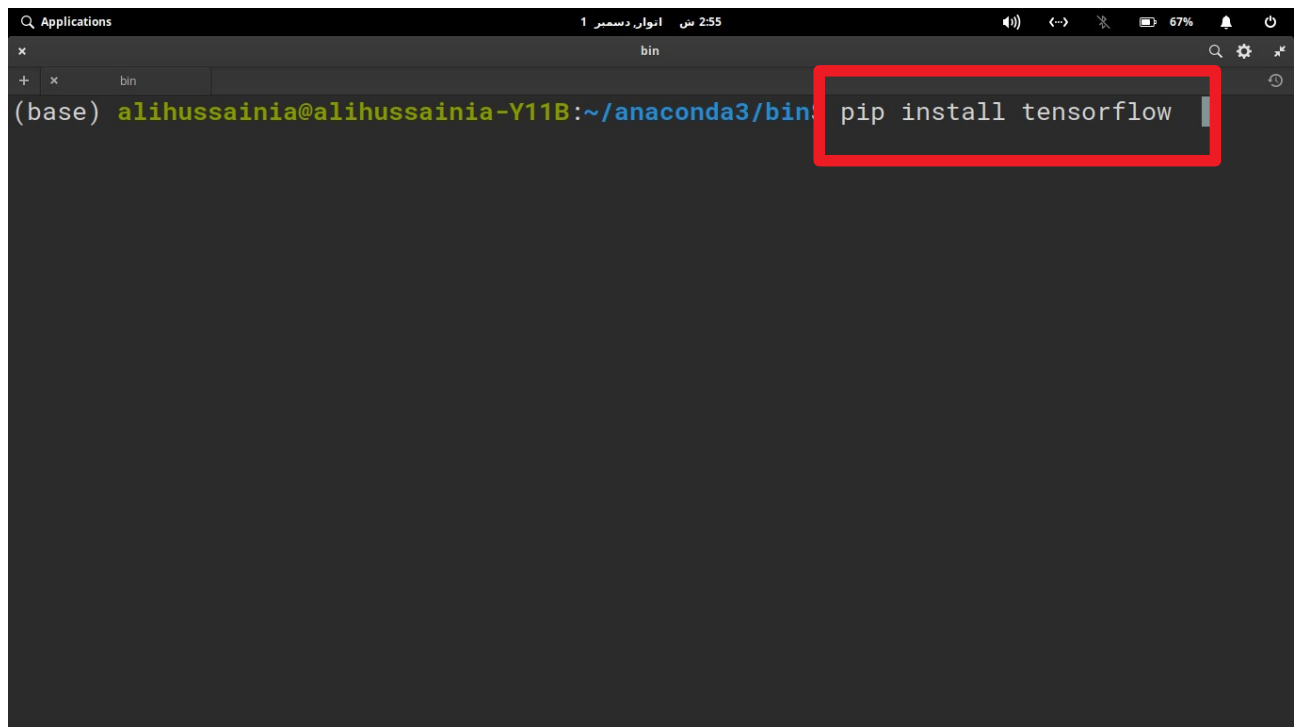
- Pip latest version
- Python3 (64 bit)

Steps:

- Open Terminal → type **pip** and press **ENTER**:

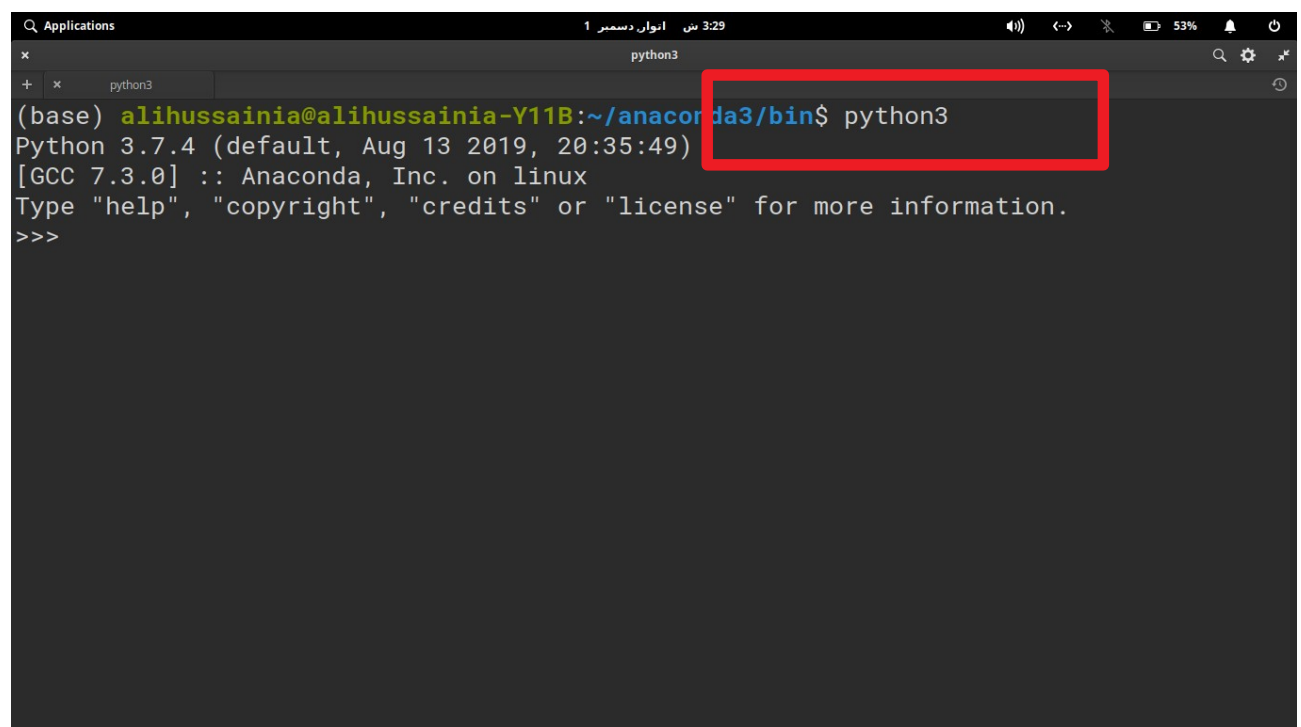
A screenshot of a macOS terminal window. The title bar at the top shows 'Applications' on the left and system status icons (volume, network, battery at 69%, and power) on the right. The terminal has a dark background. The prompt is '(base) alihussainia@alihussainia-Y11B:~/anaconda3/bin\$'. The command 'pip' has been entered, and a red rectangle highlights the command and the cursor. The terminal window also shows a tab labeled 'bin'.

- Type **pip install tensorflow** and press **ENTER**



A terminal window titled 'bin' is shown. The prompt is '(base) alihussainia@alihussainia-Y11B:~/anaconda3/bin'. The command 'pip install tensorflow' is being typed and is highlighted with a red rectangular box. The terminal interface includes a top bar with system icons and a search bar.

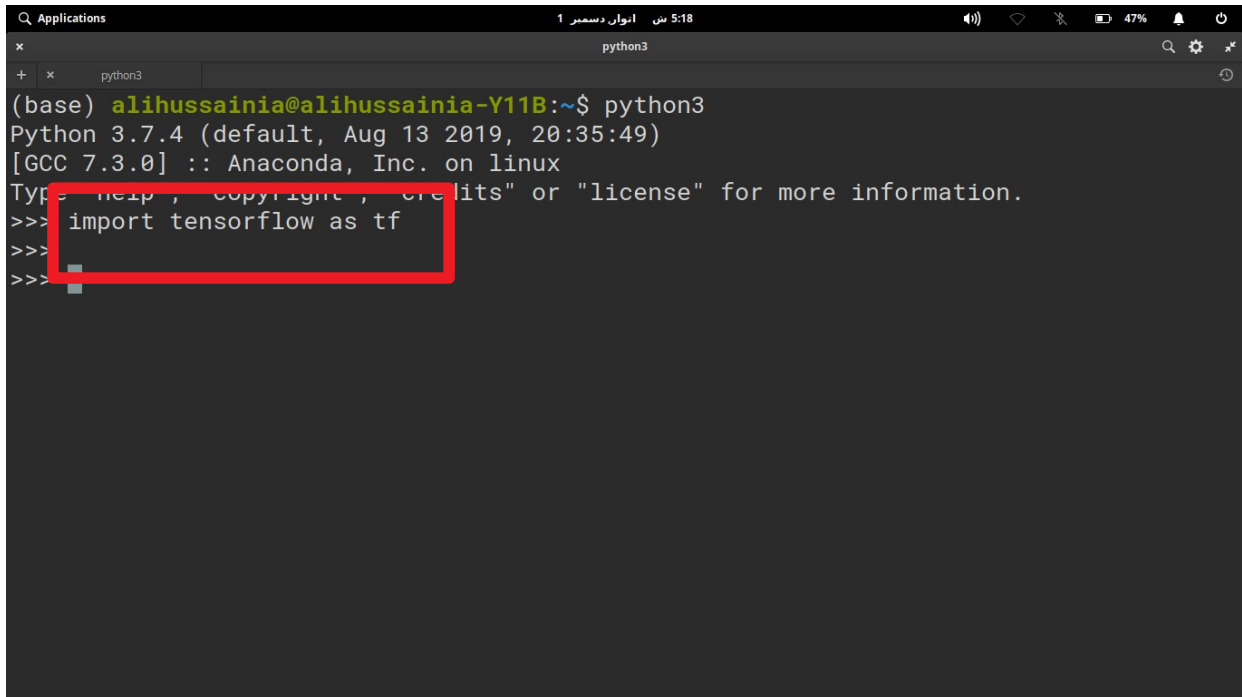
- Type **Python3** and press **ENTER**



A terminal window titled 'python3' is shown. The prompt is '(base) alihussainia@alihussainia-Y11B:~/anaconda3/bin'. The command 'python3' is being typed and is highlighted with a red rectangular box. After pressing enter, the terminal displays the following output: 'Python 3.7.4 (default, Aug 13 2019, 20:35:49) [GCC 7.3.0] :: Anaconda, Inc. on linux Type "help", "copyright", "credits" or "license" for more information. >>>'. The terminal interface includes a top bar with system icons and a search bar.

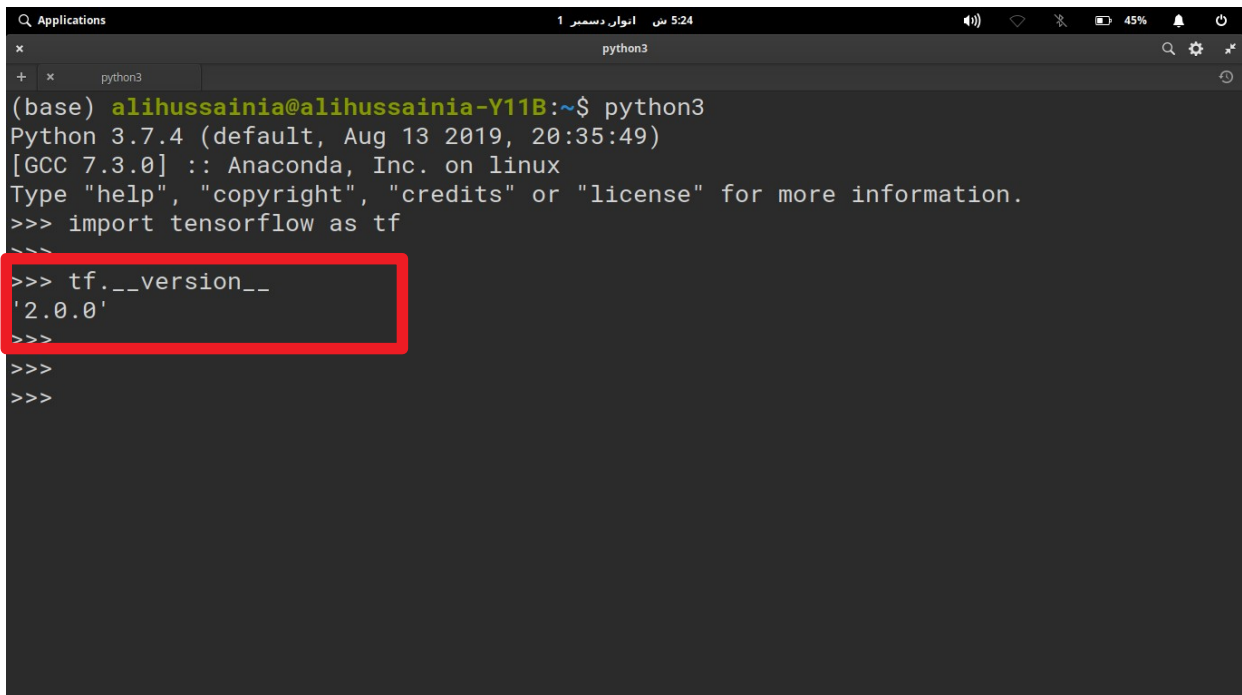
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- In the python shell type, **import tensorflow as tf** and press **SHIFT + ENTER**

A terminal window titled 'python3' is shown. The prompt is '(base) alihussainia@alihussainia-Y11B:~\$'. The user has entered 'python3' and the prompt has changed to '>>>'. The terminal output shows 'Python 3.7.4 (default, Aug 13 2019, 20:35:49)' and '[GCC 7.3.0] :: Anaconda, Inc. on linux'. The user has entered 'import tensorflow as tf' and the prompt has changed to '>>>'. The text 'import tensorflow as tf' is highlighted with a red box.

```
(base) alihussainia@alihussainia-Y11B:~$ python3
Python 3.7.4 (default, Aug 13 2019, 20:35:49)
[GCC 7.3.0] :: Anaconda, Inc. on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow as tf
>>>
```

- For **version** check

A terminal window titled 'python3' is shown. The prompt is '(base) alihussainia@alihussainia-Y11B:~\$'. The user has entered 'python3' and the prompt has changed to '>>>'. The terminal output shows 'Python 3.7.4 (default, Aug 13 2019, 20:35:49)' and '[GCC 7.3.0] :: Anaconda, Inc. on linux'. The user has entered 'import tensorflow as tf' and the prompt has changed to '>>>'. The user has entered 'tf.__version__' and the prompt has changed to '>>>'. The terminal output shows '2.0.0'. The text 'tf.__version__' and '2.0.0' are highlighted with a red box.

```
(base) alihussainia@alihussainia-Y11B:~$ python3
Python 3.7.4 (default, Aug 13 2019, 20:35:49)
[GCC 7.3.0] :: Anaconda, Inc. on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow as tf
>>> tf.__version__
'2.0.0'
>>>
```