

Shell script

Prerequisites/Dependencies

```
sudo apt update && sudo apt full-upgrade  
python --version  
python3 -m venv tf  
source tf/bin/activate  
pip install --upgrade pip  
pip install opencv-python-headless
```

Optional

```
pip install pydot  
sudo apt install graphviz
```

Installation

```
(source tf/bin/activate)  
pip install tensorflow
```

Verify Installation

```
pip show tensorflow  
python  
import tensorflow as tf  
print("TensorFlow Version:", tf.__version__)
```

Model

```
python Model.py
```

Startup

Start AI model

```
source tf/bin/activate  
cd python  
python classify_batch.py
```

Starting Tensorboard

```
source tf/bin/activate  
cd python  
tensorboard --logdir logs/fit --bind_all
```

Links

Models

[MobileNetV2](#)

[EfficientNet](#)

[ResNet](#)

Datasets