Created folder to have all the Python docs

Vi dockerfile

Then edit the docker file . Have the python program in the same directory. I,e Sarcasm\_Analysis.py

FROM python:3.8

#Labels as key value pair

LABEL Maintainer="sumanth4@illinois.edu"

# Any working directory can be chosen as per choice like '/' or '/home' etc

# i have chosen /Users/sumababu1

WORKDIR /Users/sumababu1/sarcasm\_config

COPY requirements.txt requirements.txt

RUN pip3 install --upgrade pip

RUN pip3 install tensorflow

RUN pip3 install -r requirements.txt

RUN pip3 install numpy --upgrade

RUN pip3 install requests

COPY . .

#to COPY the remote file at working directory in container

COPY sarcasm\_analysis.py ./

# Now the structure looks like this '/usr/app/src/test.py'

#CMD instruction should be used to run the software

#contained by your image, along with any arguments.

CMD [ "python", "./sarcasm\_analysis.py"]

!wq

Have the requirements.txt folder also in the same directory with below format

tensorflow

requests

numpy

Build the image with the below command. -t for TAGGING the image :

Note : make sure docker is running on the host.

docker image build -t python:0.0.1 /Users/sumababu1/sarcasm\_config

Run the image with the tag u created.

E.g : -

docker run python:0.0.1

OUtPUT

Epoch 30/30

625/625 - 1s - loss: 0.3456 - accuracy: 0.8426 - val\_loss: 0.4101 - val\_accuracy: 0.8119 - 1s/epoch - 2ms/step

1/1 [==============================] - 0s 92ms/step

[[0.01642135]

[0.03909888]]