FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDECTION

Model_building_for_fruit_disease from keras.preprocessing.image import ImageDataGenerator $\label{train_datagen_ImageDataGenerator} train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, zoom_range=0.2, horizontal_flip=True) \\ test_datagen=ImageDataGenerator(rescale=1) \\ test_da$ x_train=train_datagen.flow_from_directory(r'/content/drive/MyDrive/DataSet/Dataset Plant Disease/fruit-dataset/fruit-dataset/test',target_size=(128,12 x_test=test_datagen.flow_from_directory(r'/content/drive/MyDrive/DataSet/Dataset Plant Disease/fruit-dataset/fruit-dataset/train',target_size=(128,128 Found 1686 images belonging to 6 classes. Found 5384 images belonging to 6 classes. [n []: from keras.models import Sequential from keras.layers import Dense from keras.layers import Convolution2D from keras.layers import MaxPooling2D from keras.layers import Flatten In []: model=Sequential() [n []: model.add(Convolution2D(32,(3,3),input_shape=(128,128,3),activation='relu')) In []: model.add(MaxPooling2D(pool_size=(2,2))) In []: model.add(Flatten()) [n []: model.add(Dense(units=40,kernel_initializer='uniform',activation='relu')) [n []: model.add(Dense(units=20,kernel_initializer='random_uniform',activation='relu')) [n []: | model.add(Dense(units=6,kernel_initializer='random_uniform',activation='softmax'))

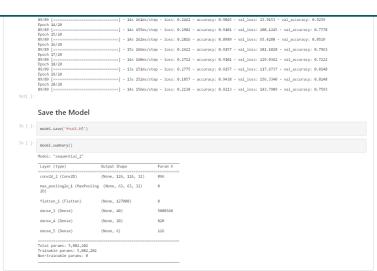
========] - 18s 201ms/step - loss: 0.4114 - accuracy: 0.8764 - val_loss: 25.6859 - val_accuracy: 0.9259

[n []: | model.compile(loss='categorical_crossentropy',optimizer="adam",metrics=["accuracy"])

89/89 [===

 $\label{eq:model.fit} \begin{tabular}{ll} \be$





🔘 © 2022 GitHub, Inc. Terms Privacy Security Status Docs Contact GitHub Pricing API Training Blog About

¥