Model Building

Add CNN Layers

```python
import cv2
import numpy as np
from keras.layers import Dense, Flatten, MaxPooling2D, Dropout
from keras.layers.convolutional import Conv2D
from keras.models import Sequential
from tensorflow.keras.utils import to_categorical
import matplotlib.pyplot as plt
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

Add CNN Layers

```python
[6] model = Sequential()
    model.add(Conv2D(32,(3,3),activation='relu',input_shape=(64,64,3)))
    model.add(MaxPooling2D(pool_size=(2, 2)))
    model.add(Flatten())
    model.add(Dense(300,activation='relu'))
    model.add(Dense(150,activation='relu'))
    model.add(Dense(4,activation='softmax'))
```