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In [8]: import keras
           from keras.preprocessing.image import ImageDataGenerator
In [14]: from keras.models import load_model
           from keras.layers import Lambda
import tensorflow as tf
In [22]: tf.keras.preprocessing.image_dataset_from_directory(
                directory="C:\\Users\\Akash\\Downloads\\Dataset"
labels="inferred",
                label mode="int",
                class_names=None,
                color_mode="rgb",
                batch_size=32,
image_size=(256, 256),
                shuffle=True,
                seed=None,
                validation_split=None,
                subset=None,
                interpolation="bilinear",
follow_links=False,
crop_to_aspect_ratio=False,
           Found 558 files belonging to 1 classes.
Out[22]: <BatchDataset element_spec=(TensorSpec(shape=(None, 256, 256, 3), dtype=tf.float32, name=None), TensorSpec(shape=(None,), dtype=tf.int32, name=None))>
In [58]: tf.keras.preprocessing.image.load_img(
    path="C:\\Users\\Akash\\Downloads\\Dataset\\train_set\\forest\\with_fire (1).gif", grayscale=False, color_mode="rgb"
)
   In [10]: train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,rotation_range=180,zoom_range=0.2,horizontal_flip=True)
             test_datagen=ImageDataGenerator(rescale=1./255)
  Found 436 images belonging to 2 classes.
  In [22]: x_test = test_datagen.flow_from_directory(r'C:\Users\Akash\Downloads\Dataset\Dataset\test_set',
                                                               target_size = (128,128),
batch_size = 32,
class_mode= 'binary')
             Found 121 images belonging to 2 classes.
  In [23]: from keras.models import Sequential
    from keras.layers import Convolution2D,MaxPooling2D,Dense,Flatten
    import warnings
             warnings.filterwarnings('ignore')
  In [24]: model = Sequential()
model.add(Convolution2D(32,(3,3),input_shape=(128,128,3),activation='relu'))
model.add(MaxPoolingZD(pool_size=(2,2)))
             model.add(Flatten())
model.add(Dense(units=256,activation='relu'))
model.add(Dense(units=1,activation='sigmoid'))
             model.summary()
```