OUTPUT SNAPSHOTS

PREDICTION PAGE

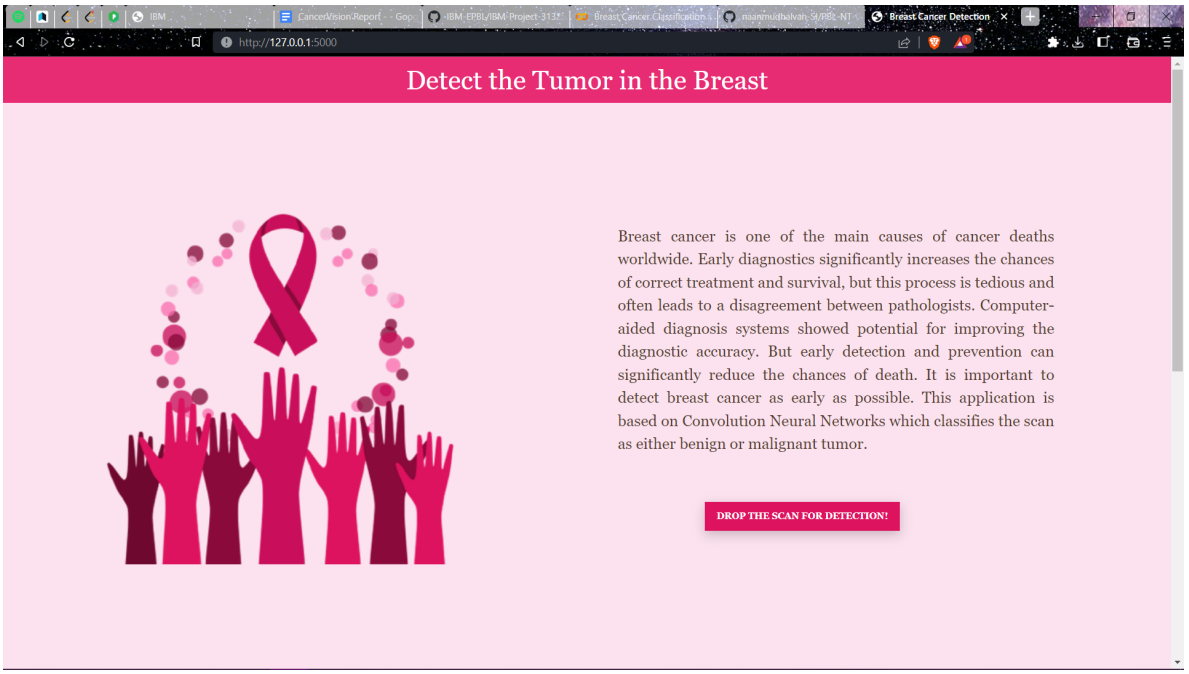


IMAGE UPLOADING PAGE

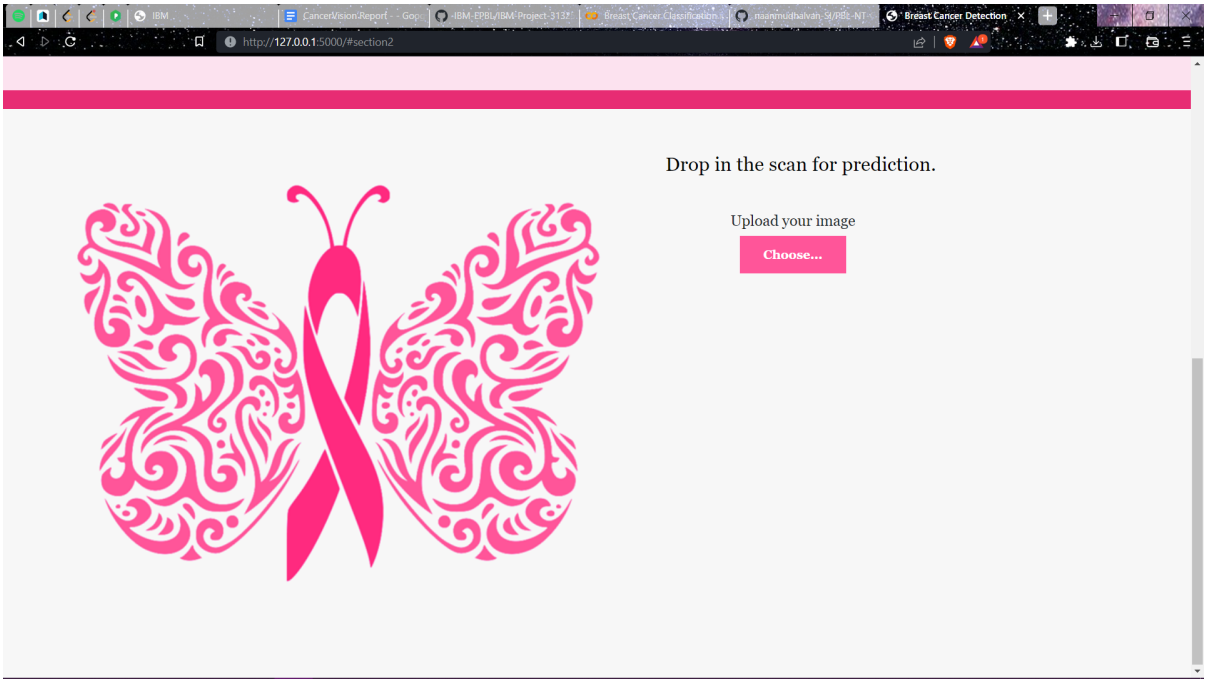
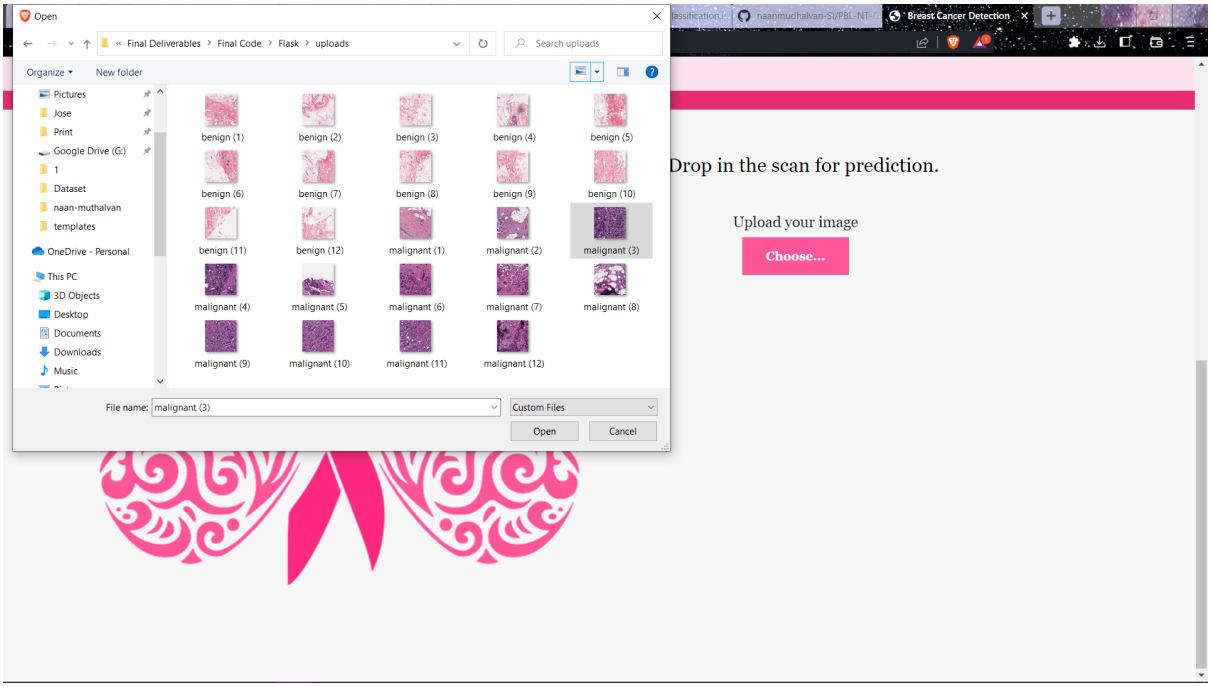
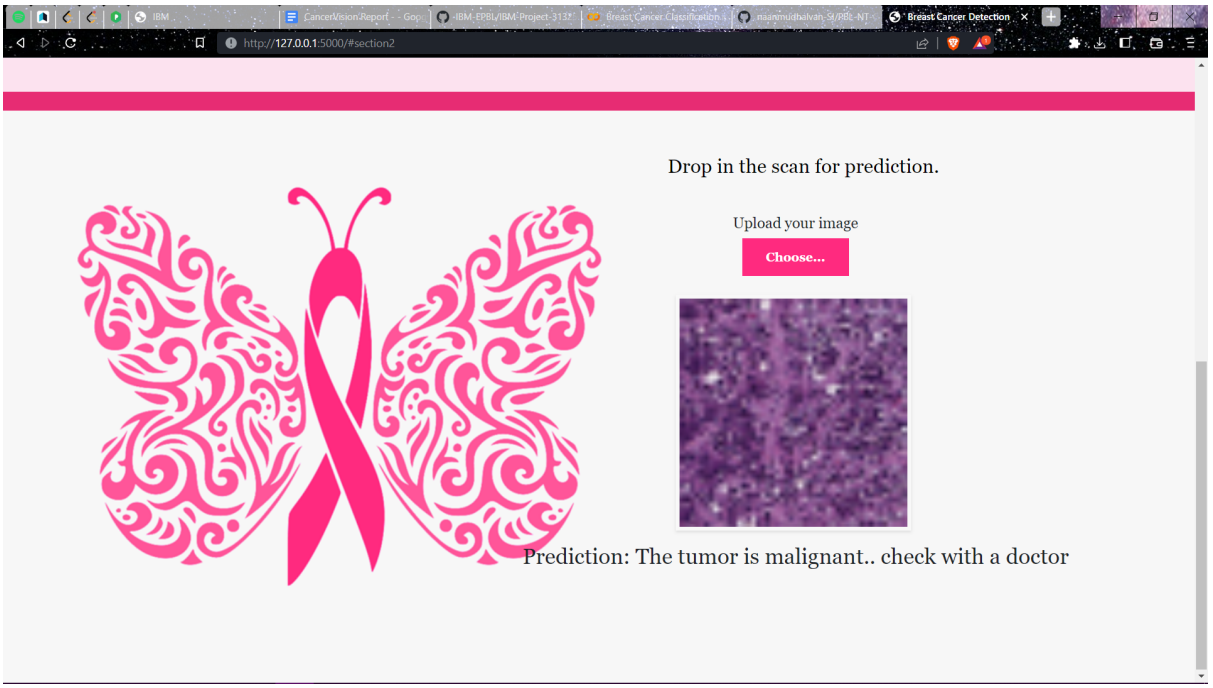


IMAGE IS UPLOADED



RESULT IS GENERATED



MODEL OUTPUT

```
model = tf.keras.models.load_model("/content/drive/MyDrive/breastcancer.h5")
# Evaluate the model on the test data using `evaluate`
print("Evaluate on test data")
score_test = model.evaluate(validation_generator)
for name, value in zip(model.metrics_names, score_test):
    print(name, ': ', value)
```

```
Evaluate on test data
36/36 [==============================] - 3s 61ms/step - loss: 0.3674 - tp: 280.00
loss :  0.36736899614334106
tp :  280.0
fp :  34.0
tn :  326.0
fn :  80.0
accuracy :  0.8416666388511658
precision :  0.8917197585105896
recall :  0.7777777910232544
auc :  0.9416435956954956
sensitivity :  0.894444465637207
```

MODEL SUMMARY

```
model.summary()
```

```
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 60, 60, 16)        1216

 max_pooling2d (MaxPooling2D  (None, 30, 30, 16)       0
 )

 conv2d_1 (Conv2D)           (None, 28, 28, 32)        4640

 max_pooling2d_1 (MaxPooling  (None, 14, 14, 32)       0
 2D)

 conv2d_2 (Conv2D)           (None, 12, 12, 64)        18496

 max_pooling2d_2 (MaxPooling  (None, 6, 6, 64)         0
 2D)

 conv2d_3 (Conv2D)           (None, 4, 4, 128)         73856

 average_pooling2d (AverageP  (None, 2, 2, 128)        0
 ooling2D)

 flatten (Flatten)           (None, 512)               0

 dropout (Dropout)           (None, 512)               0

 dense (Dense)               (None, 512)               262656

 dropout_1 (Dropout)         (None, 512)               0

 dense_1 (Dense)             (None, 1)                 513

=================================================================
Total params: 361,377
Trainable params: 361,377
Non-trainable params: 0
_________________________________________________________________
```