# -\*- coding: utf-8 -\*-

"""Untitled6.ipynb

Automatically generated by Colaboratory.

Original file is located at

<https://colab.research.google.com/drive/1YFe3hgxgs1vOv0La-SUtEoz2o7bzaRg3>

"""

import os

import numpy as np

from flask import Flask,request,render\_template

from keras.models import load\_model

from keras.utils import load\_img

from keras.utils import img\_to\_array

app=Flask(\_\_name\_\_)

model=load\_model('ECG.h5')

@app.route("/")

def about():

return render\_template("about.html")

@app.route("/about")

def home():

return render\_template("about.html")

@app.route("/info")

def information():

return render\_template("info.html")

@app.route("/upload")

def test():

return render\_template("index6.html")

@app.route("/predict", methods=["GET","POST"])

def upload():

if request.method=="POST":

f=request.files['file']

basepath=os.path.dirname('\_\_file\_\_')

filepath=os.path.join(basepath,"uploads",f.filename)

f.save(filepath)

img=load\_img(filepath,target\_size=(64,64))

x=img\_to\_array(img)

x=np.expand\_dims(x,axis=0)

pred=model.predict\_classes(x)

print("prediction",pred)

index=['Left Bundle Branch Block','Normal','Premature Atrial Contraction','Premature Ventricular Contraction','Right Bundle Branch Block','Ventricular Fibrillation']

result=str(index[pred[0]])

return result

return None

port=int(os.getenv("PORT"))

if \_\_name\_\_=="\_\_main\_\_":

app.run(debug=False)