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Project Name: Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation

APPLICATIOTN DEVELOPMENT/APPLICATION DEVELOPMENT.py

```
@@ -0,0 +1,40 @@
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":
```

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        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)
```