

Requirement

Python: version 3.11.9
Flask: version 3.1.0
imbalanced-learn: 0.12.4
joblib: 1.4.2
matplotlib: 3.9.2
numpy: 2.0.2
pandas: 2.2.3
scikit-learn: 1.5.2
scipy: 1.14.1
tabulate: 0.9.0

Directory structure requirement

(To ensure the app.py runs smoothly, the directory needs to be separated as follow)

- static (folder)
 - _images (folder)
 - _images1 (file image used)
 - _images2 (file image used)
 - _script (folder)
 - _script.js (javascript file)
 - _styles (folder)
 - _styles (css file)
- templates (folder)
 - _index.html (html file)
- app.py (.py file)
- diabetes3 (.ipynb file) --> used for model building
- final_rff_model.pkl (final model .pkl)
- preprocessing_pipeline1.pkl (preprocessing pipeline .pkl)
- RTML_with_Insulin (dataset 1)
- diabetes (dataset 2)

The program can be run in local host by running the app.py