

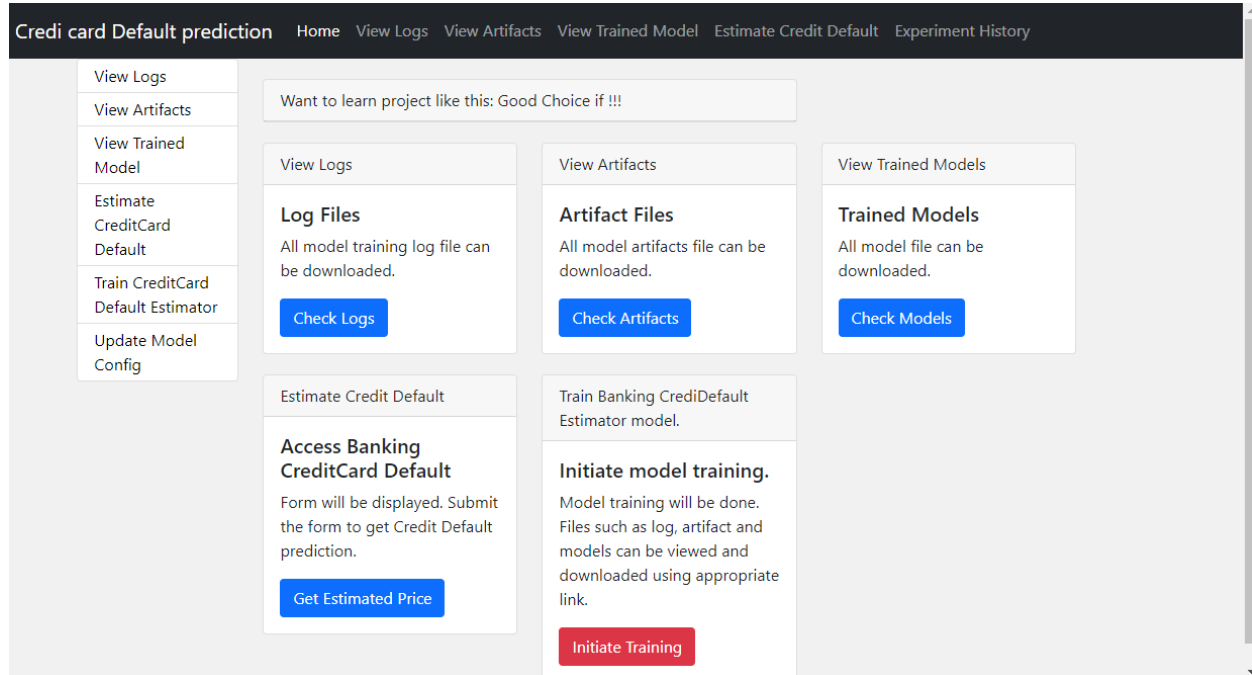
# WIREFRAME DOCUMENT

## CREDIT CARD DEFAULT PROBABILITY PREDICTION

*October, 2022*

*Written BY Namdeo Patil*

## ABOUT THE USER INTERFACE IN THE WEB APPLICATION:



**Credi card Default prediction** Home View Logs View Artifacts View Trained Model Estimate Credit Default Experiment History

- View Logs
- View Artifacts
- View Trained Model
- Estimate CreditCard Default
- Train CreditCard Default Estimator
- Update Model Config

Want to learn project like this: Good Choice if !!!

**View Logs**

**Log Files**

All model training log file can be downloaded.

[Check Logs](#)

**View Artifacts**

**Artifact Files**

All model artifacts file can be downloaded.

[Check Artifacts](#)

**View Trained Models**

**Trained Models**

All model file can be downloaded.

[Check Models](#)

**Estimate Credit Default**

**Access Banking CreditCard Default**

Form will be displayed. Submit the form to get Credit Default prediction.

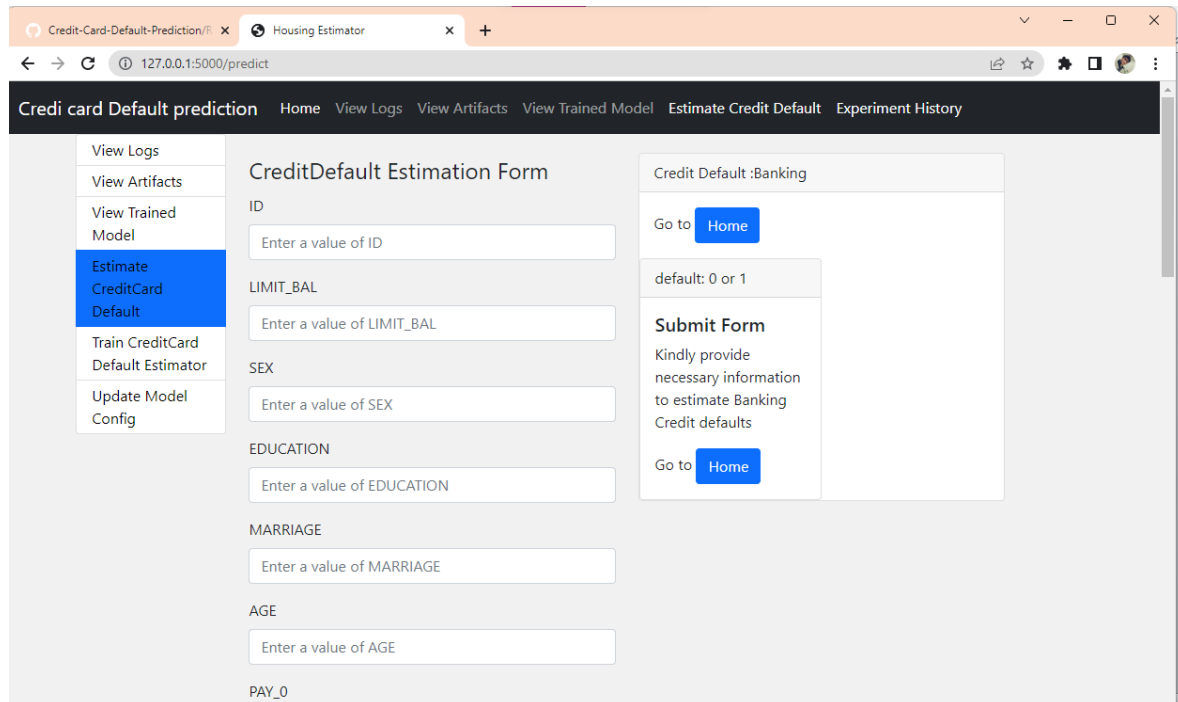
[Get Estimated Price](#)

**Train Banking CrediDefault Estimator model.**

**Initiate model training.**

Model training will be done. Files such as log, artifact and models can be viewed and downloaded using appropriate link.

[Initiate Training](#)



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**CreditDefault Estimation Form**

ID

Enter a value of ID

LIMIT\_BAL

Enter a value of LIMIT\_BAL

SEX

Enter a value of SEX

EDUCATION

Enter a value of EDUCATION

MARRIAGE

Enter a value of MARRIAGE

AGE

Enter a value of AGE

PAY\_0

**Credit Default :Banking**

Go to [Home](#)

default: 0 or 1

**Submit Form**

Kindly provide necessary information to estimate Banking Credit defaults

Go to [Home](#)

I designed an user interface, in which a user can

use the app like homepage with different folder :

- logs folder with time stemp to observe every predict action
- trainer model folder to save a best model
- experiments folder with limit that you want to display and run your pipeline
- artifacts folder to save alle data ingestion steps with time stemp
- They Estimate Credit Default is used for
- prediction of the probability of default in the backend and displays it on the front-end page of the user.

• The entire web page and the format is designed using a template folder with different html files. 1 | Page

2 | Page

Credi card Default prediction											
<a href="#">Home</a> <a href="#">View Logs</a> <a href="#">View Artifacts</a> <a href="#">View Trained Model</a> <a href="#">Estimate Credit Default</a> <a href="#">Experiment History</a>											
<a href="#">View Logs</a> <a href="#">View Artifacts</a> <a href="#">View Trained Model</a> <a href="#">Estimate CreditCard Default</a> <a href="#">Train CreditCard Default Estimator</a> <a href="#">Update Model Config</a>	Go to <a href="#">Home</a>										
	Training is already in progress										
	experi ment_i d	artifact _time_s tamp	runnin g_statu s	start_ti me	stop_ti me	executi on_tim e	experi ment_f ilepath	messag e	accura cy	is_mod el_acce pted	create _time _stamp
	21	609a2b ac- 1cf8- 4d2b- bfc- 5cd129 3cc4bf	2022- 10-24- 12-53- 24	True	2022- 10-24 12:54:4 9.10469 9	NaN	NaN	C:\User s\Nplite has \Desкто p\NEU RON\C REDIT_ PREDIC TION\p roject\p rtifact\p xperim ent\exp eriment .csv	Pipeline has been started.	NaN	NaN

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127.0.0.1:5000/update\_model\_config

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Credi card Default prediction

Home

View Logs

View Artifacts

View Trained Model

Estimate Credit Default

Experiment History

View Logs

View Artifacts

View Trained Model

Estimate CreditCard Default

Train CreditCard Default Estimator

Update Model Config

Go to [Home](#)

Existing model config

```
{'grid_search': {'class': 'GridSearchCV', 'module': 'sklearn.model_selection', 'params': {'cv': 5, 'verbose': 2}}, 'model_selection': {'module_0': {'class': 'LogisticRegression', 'module': 'sklearn.linear_model', 'params': {'fit_intercept': True, 'search_param_grid': {'penalty': ['l2']}}}, 'module_1': {'class': 'RandomForestClassifier', 'module': 'sklearn.ensemble', 'params': {'min_samples_leaf': 3, 'search_param_grid': {'min_samples_leaf': [6]}}}}
```

[Validate model config json](#)

[Update model config](#)

Model Config JSON: