

INSURANCE PREMIUM PREDICTION

WIREFRAME DOCUMENT

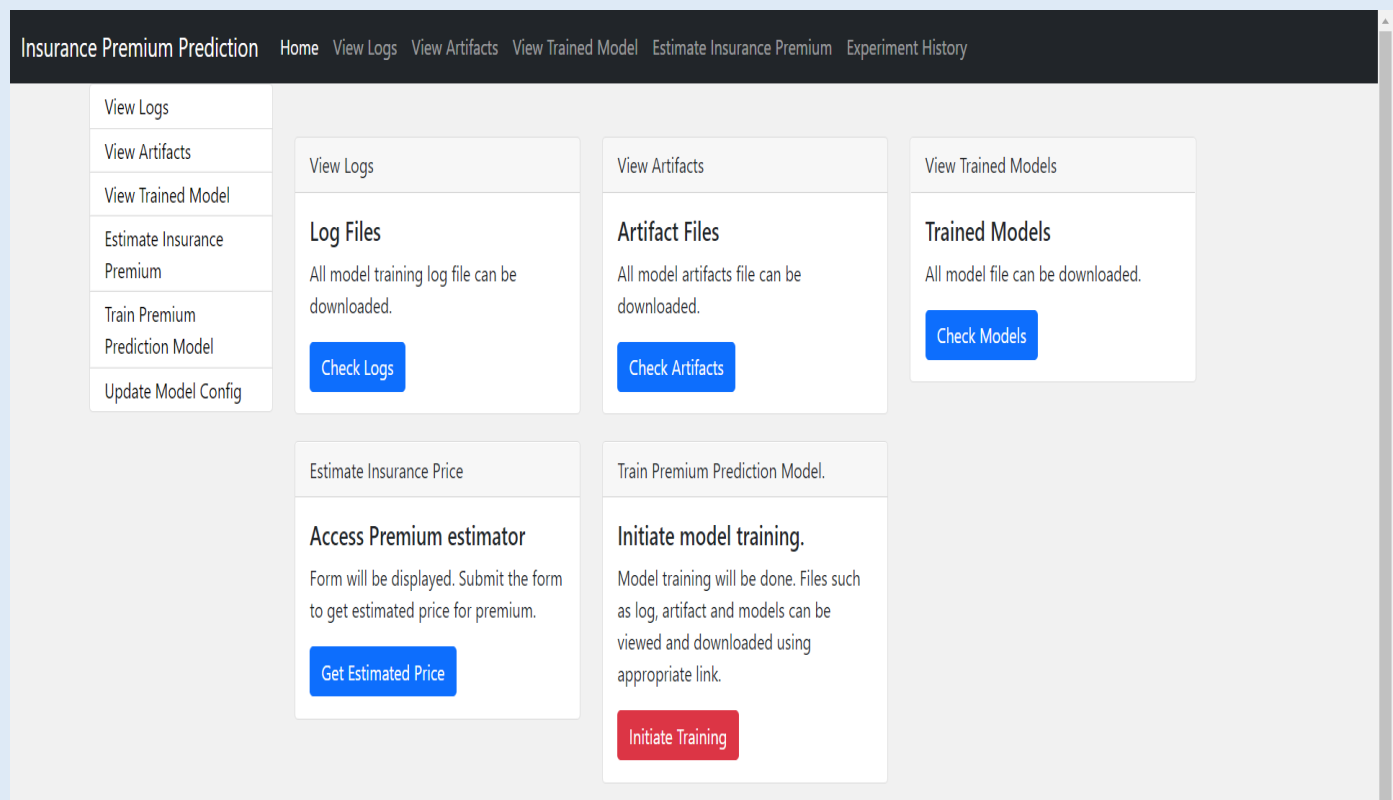
An orange scroll graphic with a green border, featuring a rolled-up end on the left and a small tab on the right. It casts a soft shadow on the light blue background.

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iNeuron

Homepage

1. Homepage consists of single page having different folder section Log , Artifact, trained model , Estimate Insurance Premium , History, Update Model config, etc.



2. To estimate value given input section and submit button. The page designed in such way that user can inserts their inputs according to their health status. There are 6 input sections in the homepage where the user will have to enter the correct entries as per their health status.

Insurance Premium Prediction

[Home](#) [View Logs](#) [View Artifacts](#) [View Trained Model](#) [Estimate Insurance Premium](#) [Experiment History](#)

View Logs

View Artifacts

View Trained Model

Estimate Insurance Premium

Train Premium Prediction Model

Update Model Config

Premium Prediction Form

Age

Enter your age

Gender

Male

BMI

Enter a value of bmi

Children

How many children do you have ?

Smoker

Yes

Region

Southeast

Predict Insurance Premium Value

After filling the above information webpage looks like:

Insurance Premium Price

Input Feature	Feature Value
age	50.0
sex	male
bmi	25.0
children	2.0
smoker	yes
region	southeast
expenses	[24352.98635842]

Insurance Premium Prediction

Go to [Home](#)

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3. Update our Model using update model config.

Insurance Premium Prediction

HomeView LogsView ArtifactsView Trained ModelEstimate Insurance PremiumExperiment History

View Logs

View Artifacts

View Trained Model

Estimate Insurance Premium

Train Premium Prediction Model

Update Model Config

Go to

Home

Existing model config

```
{'grid_search': {'class': 'GridSearchCV', 'module': 'sklearn.model_selection', 'params': {'cv': 3, 'verbose': 2}}, 'model_selection': {'module_0': {'class': 'LinearRegression', 'module': 'sklearn.linear_model', 'params': {'fit_intercept': True, 'search_param_grid': {'fit_intercept': [True, False]}}, 'module_1': {'class': 'RandomForestRegressor', 'module': 'sklearn.ensemble', 'params': {'min_samples_leaf': 2, 'max_features': 7, 'n_estimators': 100, 'max_depth': 5}, 'search_param_grid': {'min_samples_leaf': [2], 'max_features': [7], 'n_estimators': [100], 'max_depth': [5]}}, 'module_2': {'class': 'XGBRegressor', 'module': 'xgboost', 'params': {'n_estimators': 500, 'max_depth': 3, 'eta': 0.01, 'colsample_bytree': 1.0}, 'search_param_grid': {'n_estimators': [500]}}}
```

Validate model config json

Update model config

Model Config JSON:

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