



# **WIREFRAME DOCUMENT**

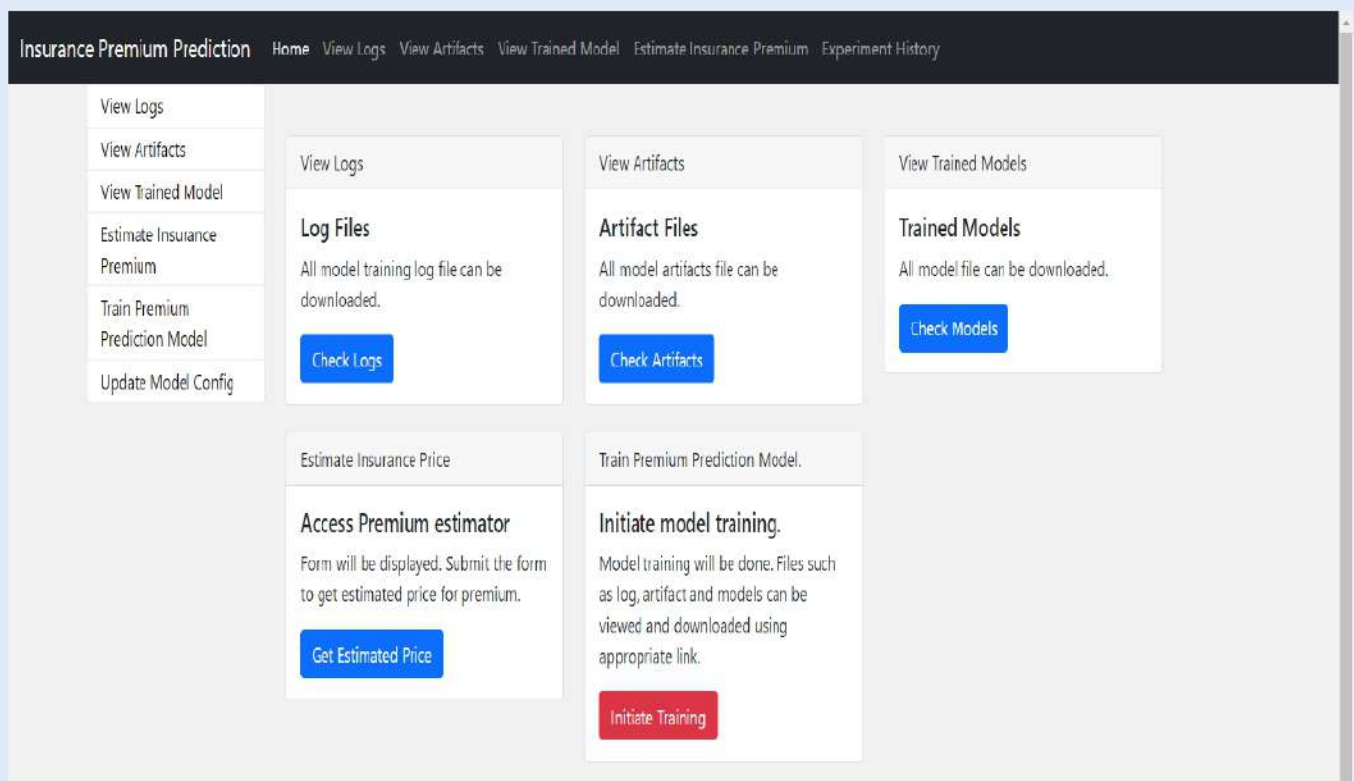
**Insurance Premium Prediction  
Model**

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# 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

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[View Logs](#)

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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](#)

[in](#)

[🔍](#)

### 3. Update our Model using update model config.

The screenshot displays the 'Insurance Premium Prediction' web application. The top navigation bar includes links for Home, View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium, and Experiment History. A left sidebar contains a menu with options: View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium, Train Premium Prediction Model, and Update Model Config (which is highlighted in blue). The main content area features a 'Go to' button set with 'Home' selected. Below this, the 'Existing model config' section shows a JSON configuration for a machine learning pipeline. This section includes a 'Validate model config json' button and an 'Update model config' button. At the bottom of this section is a text input field labeled 'Model Config JSON:'. The footer of the application contains social media icons for LinkedIn and GitHub.

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

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:

lin