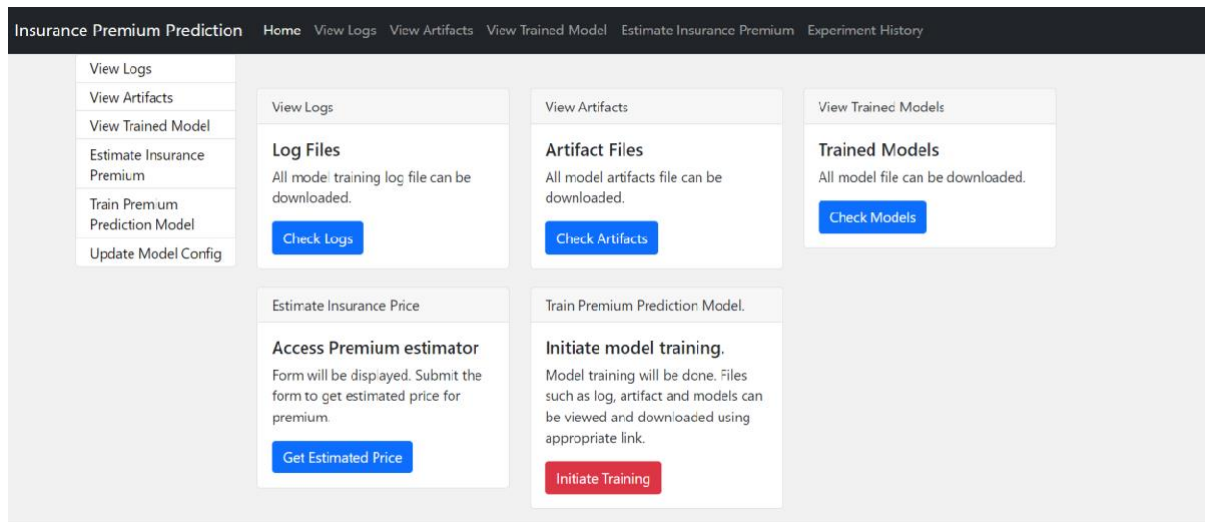


# *Insurance Premium Prediction*

*Wireframe Documentation*

1. User can below homepage when they come to the website



2. User can able to enter the required details shown in below picture for getting the Estimated premium price.

The screenshot shows the 'Premium Prediction Form' page. The header is dark grey with white text for the title and navigation links: Home, View Logs, View Artifacts, View Trained Model, and Estimate Insurance Premium (highlighted in blue). On the left, a vertical sidebar contains links: View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium (highlighted in blue), Train Premium Prediction Model, and Update Model Config. The main content area is light grey and features a form titled 'Premium Prediction Form'. The form has the following fields: 'Age' (text input), 'Gender' (text input with 'Male' selected), 'BMI' (text input), 'Children' (text input with 'How many children do you have ?' as a placeholder), 'Smoker' (text input with 'Yes' selected), and 'Region' (text input with 'Southeast' selected). At the bottom of the form is a blue button labeled 'Predict Insurance Premium'.

3. User can be able to see the estimated price of insurance premium after clicking On Predict Insurance premium

Insurance Premium Price

Input Feature	Feature Value
age	20.0
sex	male
bmi	20.0
children	0.0
smoker	no
region	southeast
expenses	1730.56

Insurance Premium Prediction

Go to [Home](#)

- User can click on Initiate Training button to start model training.

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](#)

Training is already in progress.

	experiment_id	artifact_time_stamp	running_status	start_time	stop_time	execution_time	message	accuracy	is_model_accepted	created_time_stamp
8	3089778f-917c-4d6a-98c2-40b24e04311b	2022-07-27-12-43-17	True	2022-07-27 12:43:17.101159	NaN	NaN	Pipeline has been started.	NaN	NaN	2022-07-27 12:43:17.109813
9	3089778f-917c-4d6a-98c2-40b24e04311b	2022-07-27-12-43-17	False	2022-07-27 12:43:17.101159	2022-07-27 12:43:22.363892	0 days 00:00:05.262733	Pipeline has been completed.	0.881383	False	2022-07-27 12:43:22.363892

5. User can see logs by clicking on View logs.

The screenshot displays the 'Insurance Premium Prediction' application interface. At the top, a navigation bar includes links for Home, View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium, and Experiment History. On the left, a sidebar menu lists several options: View Logs (highlighted in blue), View Artifacts, View Trained Model, Estimate Insurance Premium, Train Premium Prediction Model, and Update Model Config. The main content area features a 'Go to' dropdown menu set to 'Home'. Below this, a large text box displays the application logs. The logs begin with a timestamped message indicating the application is running on http://127.0.0.1:5000. Subsequent lines show HTTP requests (GET / HTTP/1.1) and the start of a training pipeline configuration. The logs detail the experiment's initialization, including the experiment ID, timestamp, and status, followed by data ingestion configuration details such as dataset download URL, zip file path, and data directory locations.

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

**log\_message**

```
[2022-08-03 14:50:40,557]:$ * Running on http://127.0.0.1:5000 (Press CTRL+C to quit)\n
[2022-08-03 14:50:40,756]:$127.0.0.1 - - [03/Aug/2022 14:50:40] "GET / HTTP/1.1" 200 -\n
[2022-08-03 14:50:41,195]:$127.0.0.1 - - [03/Aug/2022 14:50:41] "GET /favicon.ico HTTP/1.1" 404 -\n
[2022-08-03 14:53:58,522]:$Training pipeline config: TrainingPipelineConfig/artifact_dir='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact'\n
[2022-08-03 14:53:58,525]:$Pipeline starting.\n
[2022-08-03 14:53:58,525]:$Pipeline experiment: Experiment(experiment_id='2305cac6-5878-4067-9918-754345c18011',
initialization_timestamp='2022-08-03-14-53-58', artifact_time_stamp='2022-08-03-14-53-58', running_status=True,
start_time=datetime.datetime(2022, 8, 3, 14, 53, 58, 525919), stop_time=None, execution_time=None, message='Pipeline has
been started.', experiment_file_path='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact\\experiment.csv', accuracy=None, is_model_accepted=None)\n
[2022-08-03 14:53:58,578]:$Data Ingestion config: DataIngestionConfig(dataset_download_url='https://drive.google.com/uc?
id=1zXmaFh07scM6kzJB9pUSGx4ClfNaTr&export=download', zip_download_dir='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact\\data_ingestion\\2022-08-03-14-53-58\\zip_data', raw_data_dir='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact\\data_ingestion\\2022-08-03-14-53-58\\raw_data',
ingested_train_dir='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact\\data_ingestion\\2022-08-03-14-53-58\\ingested_data\\train', ingested_test_dir='C:\\Users\\harsh\\Insurance-Premium-Prediction\\premium\\artifact\\data_ingestion\\2022-08-03-14-53-58\\ingested_data\\test')\n
```

6. User can fill the form and click on the Predict Insurance Premium Value button to check insurance premium based on input data.

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

19

Gender

Male

BMI

17.9

Children

2

Smoker

Yes

Region

Southeast

Predict Insurance Premium Value