Detail Project Report

Project Name : **Insurance Price prediction**

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**Project Description:**

Project Title: Insurance Price Prediction

In this project I have developed a model where I am going to predict the cost of insurance based on the predefined health condition.

Time Taken : To develop this model I have taken 1 week complete this model.

Information collection related to the poject

* Data gathering, merging, etc.
* Execution planning
  + UI/UX planning
  + Deployment planning
  + Model development
  + Testing

Each and every task was divided into the team members and the time limit was set. In this way It took two months to completion of this project.

Time Distribution:

* Information collection related to the poject 🡪 1 day
* Data gatheing, merging, etc. 🡪 1 day
* Execution planning 🡪 1 day
* Model development and deployment 🡪2 days
* Testing 🡪 1 day

In this development I alone have worked and the stages as follows:

Data Part :

In this Data part we have randomly collected few data from the bunch of data and consider this as a testing data. **In this stage I have check whether the model is working with good accuracy or not using this testing data.**

Once this is done then only we will be going to deploy the model in cloud machine.

Development stategies :

To develop the model we are going to use the following :

**Databse** that we are going to use in MongoDB and SQL

**Deployed over flask in local machine**

*Note: Each and every line of code is written in Modular Fashion which will improve the reusability of code.*

Productization :

To productize this model we have first test the model in the local machine using **Flask API** where the input is passed from the local user and checking the output and monitering the accuracy.

**Once we have tested in the local machine then we have deployed in the cloud using heroku.**

Post Productization :

In this state we have retrained the model as if their was a small bug or loop hole where there was a chance of improper train of model. So we have retrain the model.

Technical aspect:

1. ML algorithm
2. Flask
3. Cloud deployment

Thankyou