

Insurance Premium Category Prediction - Project Report

Overview

This project predicts the insurance premium category of a user based on personal details like age, weight, height, income, smoking habit, city, and occupation.

The app is developed using:

- FastAPI for the backend API
- Streamlit for the frontend
- A machine learning model serialized as model.pkl

Project Folder Structure

agri-insight/

app/

app.py # FastAPI backend

model.pkl # Trained ML model

streamlit_app/

frontend.py # Streamlit frontend

dataset/

insurance.csv # Dataset used for training

requirements.txt # Required Python packages

README.md # Project overview

LICENSE

.gitignore

Screenshots

Insurance Premium Category Predictor

Enter your details below:

Age

30

-

+

Weight (kg)

65.00

-

+

Height (m)

1.70

-

+

Annual Income (LPA)

10.00

-

+

Are you a smoker?

True

▼

Annual Income (LPA)

10.00

-

+

Are you a smoker?

True

▼

City

Mumbai

Occupation

retired

▼

Predict Premium Category



Predicted Insurance Premium Category: Low

