Microsoft India - Design Challenge

2022

WELL BEING:

A Web application to predict whether a person is likely to get stroke based on input parameters like smoking status, diseases, gender and age.

It occurs when the supply of blood to the brain is reduced or blocked completely, which prevents brain tissue from getting oxygen and nutrients.

According to WHO, heart stroke is the 2nd leading cause of death globally, responsible for approximately 15% of total deaths. Early identification of stoke can help doctors to give necessary medication to the patient.

MOTIVE:

The objective of making this web application was for well being of people. People should constantly have a check on their BMI which plays a huge role in maintaining fitness.

- ➔ I have used a data set from Kaggle: Stroke Prediction Dataset
- ➔ This model was trained and validated on 4500+ patient health records.

TOOLS AND TECHNOLOGIES:

PYTHON 3.7

PANDAS

NUMPY

MALPLOTLIB

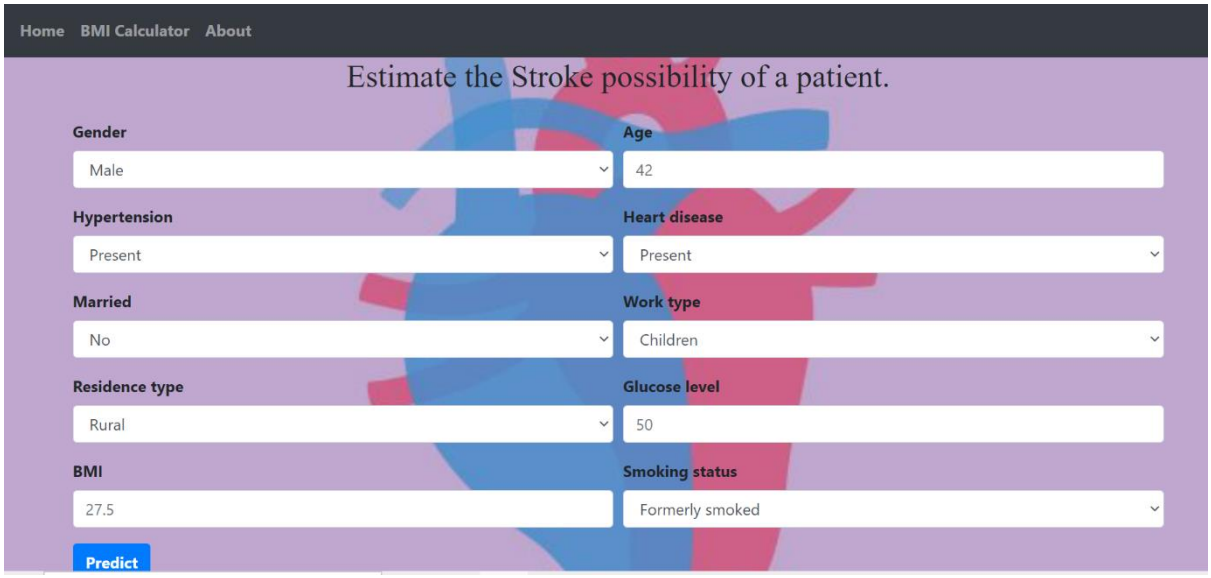
FLASK

HTML

CSS

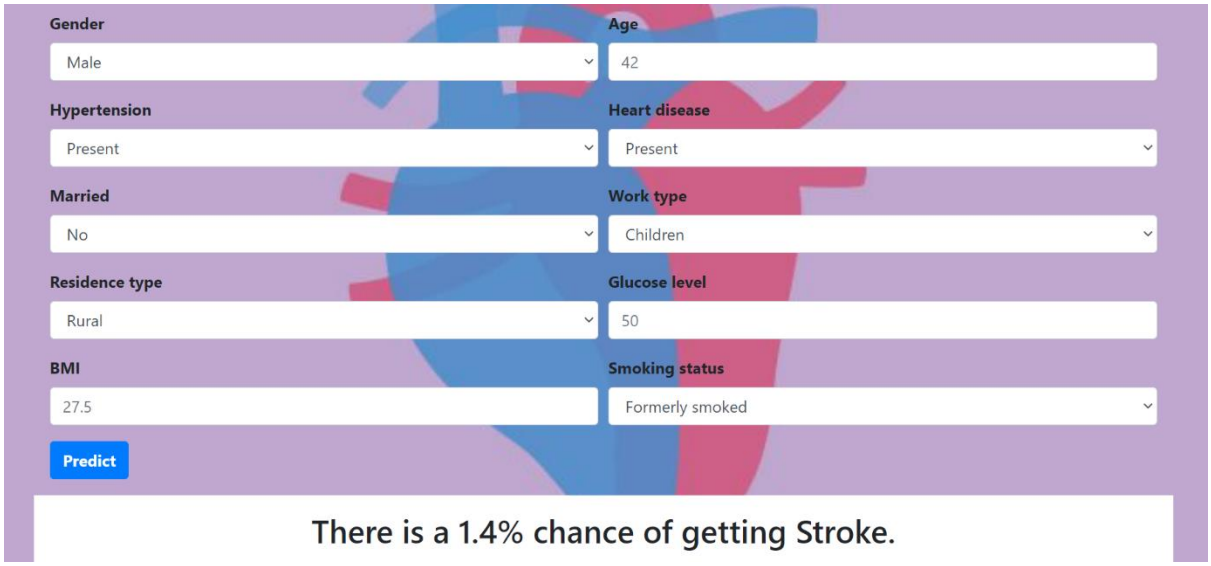
BOOTSTRAP

WEBSITE LOOK:

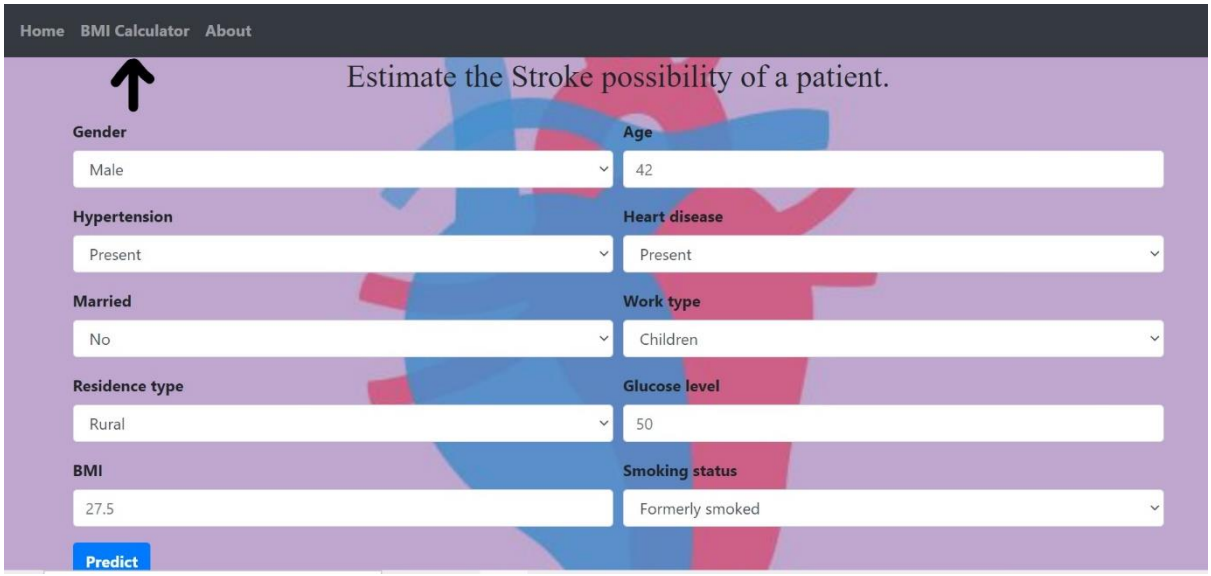


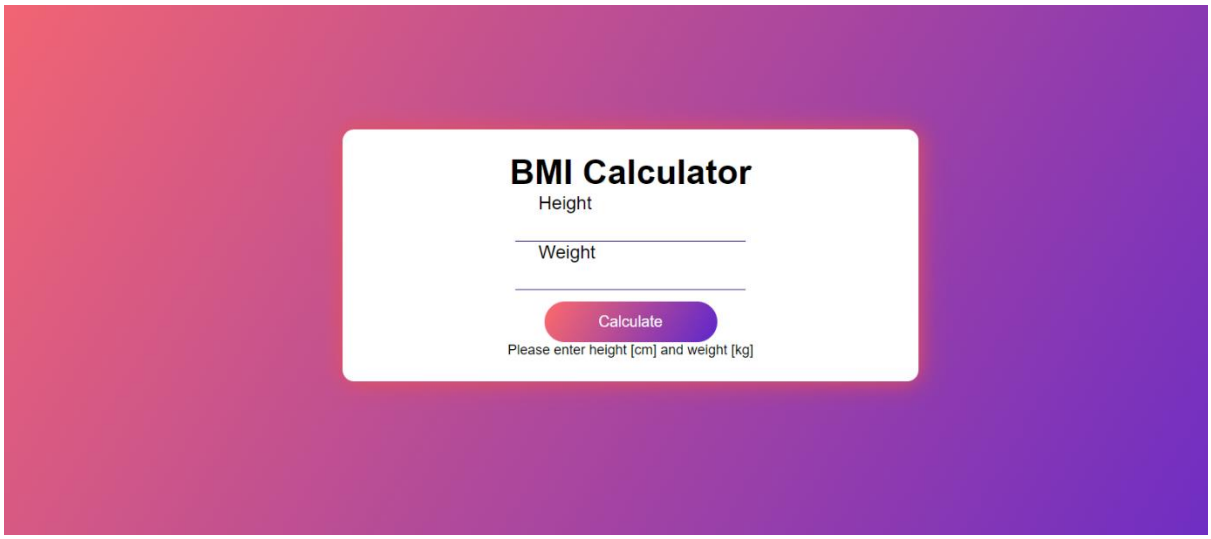
Input the parameters as per your details:

According to my details the prediction is as follows:



We can also calculate BMI in the application:





GITHUB:

https://github.com/Sridevi139/HEART-STROKE-PREDICTOR-