Diabetes Prediction Model

Project requirements:

1. Python
2. Libraries usage like
3. Machine learning models knowledge
4. Handling and training of data
5. Knowledge of HTML, CSS

Objectives:

To predict whether the person is diabetic or not and develop a site which is user friendly.

Deliverables:

Our ML model has 10 parameters which the user will give input to the trained model.

Based on these parameters user will get to know whether she/he/other has diabetes or not.

Input parameters are as follows:

1. Age
2. Hypertension
3. Heart disease
4. BMI
5. Pregnancy
6. Blood Glucose level
7. Insulin
8. Smoking
9. Gender
10. Hemoglobin

Uniqueness of our project:

Data in our model is well - handled .

User-friendly model.

Parameters of Random Forest are chosen which give optimal results by using Grid Search CV.

Our website is well - oriented and user can understand it without any issues.

Team😎:

Gayatri Deshpande : Frontend developer

Nandini Deshmukh: ML model trainer