

Elements of AIML

Assignment - 2



Name - Ronak Singh
SAP ID - 500120683
Batch - 12
Roll No. - R2142230381

Topic: Prediction of Diabetes in Females(P_D_F)

This is the home page of the flask app, i.e. **app.py** which is linked to the machine learning model made in **assignment-1** and was exported as **diabetes-model.pkl**

Now, the user enters data in the flask app for each features.

Sample data:

- Pregnancies : 10
- Glucose : 100
- Blood Pressure : 120
- Skin Thickness : 29
- Insulin : 80
- BMI : 28
- Diabetes Pedigree function : 0.45
- Age : 45

Diabetes Prediction Form

Pregnancies (0-17):

10

Glucose (0-199):

100

Blood Pressure (0-122):

120

Skin Thickness (0-99):

29

Insulin (0-846):

80

BMI (0-67):

28

Blood Pressure (0-122):

120

Skin Thickness (0-99):

29

Insulin (0-846):

80

BMI (0-67):

28

Diabetes Pedigree Function (0.078-2.42):

0.45

Age (21-81):

45

Submit

Skin Thickness (0-99):

Insulin (0-846):

BMI (0-67):

Diabetes Pedigree Function (0.078-2.42):

Age (21-81):

Prediction: No Diabetes
Probability of Diabetes: 43.0%
Prediction made successfully!

The model calculates probability of diabetes : 43.0%

It Predicts : **No Diabetes**