

Diabetes Risk Prediction

This app predicts the risk of diabetes based on the Pima Indians dataset.

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age
0	6	148	72	35	0	33.6	0.627	
1	1	85	66	29	0	26.6	0.351	
2	8	183	64	0	0	23.3	0.672	
3	1	89	66	23	94	28.1	0.167	
4	0	137	40	35	168	43.1	2.288	

Data Preprocessing Complete.

Model Evaluation:

Accuracy: 75.32%

Confusion Matrix: [[79 20] [18 37]]

Classification Report: precision recall f1-score support

0	0.81	0.80	0.81	99
1	0.65	0.67	0.66	55
accuracy			0.75	154

macro avg 0.73 0.74 0.73 154 weighted avg 0.76 0.75 0.75 154

Predict Diabetes Risk

Pregnancies

2

-

+

Glucose

140

- +

Blood Pressure

86

- +

Skin Thickness

17

- +

Insulin

96

- +

BMI

45.00

- +

Diabetes Pedigree Function

0.53

- +

Age

27

- +

Predict

 The model predicts a **high risk of diabetes**.