Yogender kumar
21901320
M.Tech 2021-23

Project Title*:
Diabetes Predictor

Problem Statement/Opportunity:

Diabetes is a major cause of blindness, kidney failure, heart attacks, stroke and lower limb amputation. Between 2000 and 2016, there was a 5% increase in premature mortality from diabetes. In 2019, diabetes was the ninth leading cause of death with an estimated 1.5 million deaths directly caused by diabetes.

Project Description:

Diabetes predictor will help in detection of diabetes with help of inputs like body mass index,Age,Insulin level,Skin thickness,Blood pressure .In this i have used azure web services.

Dataset:

UCI Pima Diabetes Dataset:

- Kaggle Repositiory
  (https://www.kaggle.com/uciml/pima-indians-diabetes-database)

Attributes: (all numeric-valued)

1. Number of times pregnant
2. Plasma glucose concentration a 2 hours in an oral glucose tolerance test

3. Diastolic blood pressure (mm Hg)

4. Triceps skin fold thickness (mm)

5. 2-Hour serum insulin (mu U/ml)

6. Body mass index (weight in kg/(height in m)^2)

7. Diabetes pedigree function

8. Age (years)

9. Class variable (0 or 1)

The UCI Pima Diabetes Dataset which has 8 numerical predictors and a binary outcome.