The model created is saved to generate a pkl file into the project directory.

A white rectangular object with colorful text

Description automatically generated

A screenshot of a computer

Description automatically generated

The project initial prototype uses python streamlit package. From command prompt, we go to the project directory containing the generated

A screenshot of a computer program

Description automatically generated

Then we run the streamlit command to get the local server for the user interface

A screen shot of a computer

Description automatically generated

Output on the local server:

A screenshot of a computer

Description automatically generated

Based on the user added feature values the model predicts a binary number of 0 or 1

0, meaning not at risk of diabetes , while 1 I at rick of diabetes.

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

References:

Data: <https://raw.githubusercontent.com/npradaschnor/Pima-Indians-Diabetes-Dataset/master/diabetes.csv>

Research Link: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8943493/