

Flask App for Diabetic Prediction by Improvising SVM

Sankalp Dwivedi

MTech, Department of Computer Science

Sat Kabir Institute of Technology and Management, Bahadurgarh, India

Abstract: *Chronic illnesses, due to their long-lasting and persistent nature, are among the leading causes of adult deaths worldwide. This research aims to improve diabetes prediction through an enhanced support vector machine (SVM) model. The system predicts diabetes using user-supplied data, providing precise outcomes. Earlier studies were constrained by limited datasets, focusing mainly on gestational diabetes, which affects pregnant women. This project advances the prediction system by utilizing a larger dataset and refining the SVM model, thereby increasing its accuracy in predicting diabetes in both men and women*

Keywords: Gestational, Diabetes Disease Prediction, Machine Learning, Support Vector Machine