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Diabetes prediction using machine learning

Abstract:

Diabetes is a prevalent and chronic disease that affects millions of people worldwide. Early detection and intervention are crucial for managing diabetes effectively. Diabetes is a chronic disease with the potential to cause a worldwide health care crisis. Diabetes mellitus or implied diabetes is a disease caused due to the increased level of blood glucose. Various traditional methods, based on physical and chemical tests, are available for diagnosing diabetes. However, traditional diagnostic methods are often costly and time-consuming. This research aims to address this issue by developing a machine learning-based solution for the prediction of diabetes risk. The research seeks to create a predictive model that utilizes relevant medical data to identify individuals at risk of developing diabetes. By doing so, the research aims to empower healthcare providers and individuals with a tool that can enable early intervention, leading to improved diabetes management and overall public health.

Biography

I am **Abrar Ahmad**, a final-year computer engineering student at Maulana Mukhtar Ahmed Nadvi Technical Campus. Specializing in machine learning, I have developed a keen interest in applying these techniques to healthcare challenges. Currently, I am presenting my research on diabetes prediction using machine learning, showcasing his ability to leverage technology for impactful solutions. My dedication and expertise in this field highlight my potential to drive advancements in medical technology and data science.