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Heart Stroke Prediction using ML

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Abstract: As we all know, the human body functions through a variety of organs, with the heart being one of the most important. We can see that the number of deaths from heart attacks has increased in recent days. Even at a young age, people are being affected by heart attacks. People are realizing that they have a heart attack at the end stage, when there are fewer chances of curing it. As a result, many people are losing their lives because they are unable to detect it at an early stage. If we can predict whether a person will have a heart attack or not at an early stage, we may be able to cure that person and save their life. This paper focuses on developing a prediction model for heart stroke using age, hypertension, previous heart disease status, average body glucose level, bmi, and smoking status as parameters. A random forest algorithm is used to create the prediction model.

Keywords: Healthcare dataset stroke data, NumPy, Pandas, Sklearn, Flask, Random Forest algorithm

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