

# Disease Prediction System using Machine Learning Algorithms

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**Abstract:** *There are multiple techniques in machine learning that enable the analysis of large data sets from various industries. Predictive analytics in healthcare is hard work, but in the end, according to many documents, it can help practitioners make timely decisions about a patient's health and treatment. Diseases such as cancer, Diabetes and Heart disease kills many people worldwide, but these deaths are due to a lack of timely diagnosis. The lack of medical care in hospitals and the shortage of doctors to people cause the above problems. Diseases related to heart disease, cancer, and diabetes can pose a threat to humans if not detected early. This study included cancer, heart, and diabetes. To make this work uncomplicated and accessible to the masses, our team diagnosed websites using techniques from machine learning to make predictions for many types of diseases. Our goal in this study is to develop a web-based disease prediction application that uses machine learning-based prediction concepts to predict various diseases such as Diabetes, Parkinson's Disease, and heart disease. Our disease Prediction System is a Web Application used for predicting Human diseases by providing respective symptoms. Our system uses powerful machine learning algorithms to predict the disease based on the symptoms provided by the user [4].*

**Keywords:** Machine learning, SVM, Logistic Regression, Diabetes, Heart, Parkinson's, disease.

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