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Disease Prediction System Based on Support Vector Machine, Random Forest and Naive Bayes

Ms. Aparna M. Bagde[1], Shreya Wadkar[2], Aditya Patil[3], Amol Nidankar[4]
Assistant Professor, Department of Computer Engineering, NBN Sinhgad School of Engineering, Pune[1]
UG Student, Department of Computer Engineering, NBN Sinhgad School of Engineering, Pune[2,3,4]

Abstract: *The development and application of several leading data-mining techniques in many real-world application areas (e.g., industrial, healthcare, and life sciences) has led to their use in machine learning environments to extract important pieces of information from specified data in health communities, biomedical fields, and so on. Accurate medical database analysis benefits early disease detection, patient care, and community services. Machine learning techniques have been successfully used in a variety of applications, including early-stage disease prediction and diagnosis. This study demonstrates a disease prediction system built with machine learning algorithms such as the Decision Tree classifier, the Random Forest classifier, and the Naive Bayes classifier.*

Keywords: Machine Learning, Data mining, Decision Tree classifier, Random Forest Classifier, Naive Bayes Classifier, etc.

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