IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 11, May 2023

Disease Prediction Using Machine Learning

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Abstract: *The project implements 3 linear models and one deep learning model: Naïve Bayes, Support Vector Machine, K-Nearest Neighbors network to investigate their performance on diabetes and heart disease datasets obtained from the UCI data repository. In addition to the comparison of the algorithms, each algorithm has been integrated into a prediction engine and exposed over an API. The project also includes a web platform to facilitate collaboration among researchers and doctors. As the results show, our prediction engine is capable of recognizing the presence of the disease and also predict it accurately. Performance improvements could also be achieved by using complex deep learning methods are Disease Prediction using Machine Learning is the system that is used to predict the diseases from the symptoms which are given by the patients or any user. The system processes the symptoms provided by the user as input and gives the output as the probability of the disease. an increase in biomedical and healthcare data, accurate analysis of medical data benefits early disease detection and patient care. By using linear regression and decision tree we are predicting diseases like Diabetes, Malaria, Jaundice, Dengue, and Tuberculosis.*

Keywords: Tuberculosis

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