Crop Recommendation System Using ML Algorithms

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Abstract*: This paper aims to give a comprehensive overview of crop recommendation systems, fastening on the application of machine literacy(ML) algorithms. Crop recommendation systems have gained significant attention in recent times due to their capability to help growers in making informed opinions regarding crop selection and optimization. This paper reviews the crucial generalities, ways, challenges, and advancements related to ML algorithms employed in crop recommendation systems. likewise, it discusses colourful datasets, evaluation criteria, and case studies available in the literature to illustrate the capabilities and limitations of being systems. The check concludes by relating implicit avenues for unborn exploration and pressing the significance of ML in revolutionizing agriculture.*

Keywords: Crop recommendation, Humidity, Rainfall, pH, Machine Learning (ML), Random Forest (RF), Decision Tree (DT), Support Vector Machine (SVM), Logistic Regression (LR), and Naïve Bayes (NB),Data collection, Pre-processing, Feature extraction

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