A Novel Approach for Plant Identification

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Abstract

Plant Identification has a place with a particular application space of data mining. Pictures of plant leaves are generally utilized as the primary component to recognize a plant from another. For legitimate recognizable proof, highlight extraction is essential. In the literature, most plant acknowledgment frameworks utilize the highlights alongside a grouping technique, which has been adjusted or changed to confront this kind of application. In this paper, we are building up a portable application for distinguishing restorative plants which utilizes Profound Learning and Convolutional Neural System to take in discriminative highlights from leaf pictures with classifiers for plant ID. We propose three new geometric highlights that depict the vertical and level symmetry of clears out. These highlights are easy to separate from pictures. As per the consequences of trials, when these highlights are utilized as a part of conjunction with other surely understood geometric attributes, the execution of traditional order strategies is amazingly moved forward. To demonstrate the adequacy of the proposition, We test few classifiers with pictures of leaves openly accessible on We, This framework will manage professionals of
Ayurveda and ordinary android clients too.

**References**


**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**
Identification, Dataset, Feature Extraction, Plant Recognition, geometric feature