

Leaf Disease Detection Using Image Processing

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Abstract: A survey on leaf disease detection using CNN image processing is presented in this work. For the detection of illnesses in plant leaves, digital image processing is a reliable, time-saving, and accurate technology. Other algorithms can also be employed for the identification and categorization of leaf diseases in plants. The clustering approach, color-based image analysis method, classifier, and artificial neural network for illness classification are all examples of CNN techniques presented in this research. Our research focuses on analysing various leaf diseases using the CNN detection approach, as well as providing an overview of disease types and treatment and preventative methods.

Keywords: Leaf diseases, CNN, SVM, image segmentation, pre-processing, features extraction, clustering, classification, symptoms and neural network technique

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