Plant Leaf Disease Detection using Image Processing and Deep Learning

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Abstract: *Agriculture is regarded as the backbone of the Indian economy, with 70% of the people employed in agriculture and related industries. Therefore, it is crucial that we make an effort to support the health of plants. Plant diseases are one of the issues causing plants' health to deteriorate. It is difficult to diagnose these illnesses by sight alone. The goal of this project is to identify plant diseases earlier and more conveniently by employing a convolutional neural network. This paper presents an overview of different types of classification techniques used for detecting diseases in plants.*

Keywords: Plant Disease, Detecting Disease, Convolutional Neural Network, Machine Learning, Deep Learning, Classification, AlexNet, ResNet

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