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Smart Farming using Deep Learning

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Abstract: The latest improvement in computer vision formulated through deep learning have paved the method for how to detect and diagnose diseases in plant by using a camera to capture image as basis for recognizing several types of plant diseases. This study provides an efficient solution for detecting multiple diseases in several plantvarieties. The System was designed to detect and recognize several plant varieties specially leaf's, Fruits, Flowers etc. In this paper an system has been developed to see whether or not the plant is healthy or unhealthy. The conventional growth of the plants, yield and quality of agriculture merchandise is seriously tormented by disease. This paper tries to develop an system that detect the presence of illness within the plant. An system detect the illness of the plant and give the solution like pesticides and treatments etc.

Keywords: Plant disease recognition, deeplearning, computer vision, convolutional neural network

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