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Android Application for Plant Disease Detection Using this Deep Learning

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Abstract: *In our first paper, we talked about the problems farmers face, and we introduced LeafAI, Plant disease detection app, as a way to help. Now, in this new paper, we're explaining how we actually made LeafAI work in the real world. Deep learning is a branch of artificial intelligence. In recent years, deep learning has brought tremendous improvements in the recognition accuracy of image classification and object detection systems. Hence, in this paper, we utilized convolutional neural network (CNN)-based pre- trained models for efficient plant disease identification. An Android application that utilizes deep learning techniques to detect and diagnose plant diseases from images of plant leaves. The application should empower users, including farmers and gardeners, to quickly identify and take action against plant diseases, there by improving crop health and yield.*

Keywords: Android Application, Deep Learning, Image Processing, Plant Leaf Disease Detection

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