# ENHANCED AI-BASED RICE DISEASE DIAGNOSIS

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The importance of precision agriculture lies in increasing farming efficiency and minimizing waste. It is crucial because it allows for maximized crop yields and better resource management, essential for global food demands and sustainability. Our contribution is developing technology to recognize and identify rice crop diseases in India, significantly improving over traditional methods with an AI-driven approach. We utilized MOBILENET and Convolutional Neural Networks (CNNs), enhancing the accuracy and efficiency of disease diagnosis. This paper advances older studies by implementing a faster, more precise AI framework that adapts to various agricultural settings, improving precision and viability for diverse environments.

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