

Internet-of-Things (IoT)-Based Smart Agriculture

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Abstract: *This paper explores the transformation of agriculture into a data-driven, technology-enabled industry. It focuses on the use of IoT, wireless sensors, and AI—particularly Convolutional Neural Networks (CNNs)—for crop disease prediction through leaf image analysis. The study discusses how these technologies support early disease detection, resource optimization, and automated monitoring. It also examines the integration challenges with traditional farming and outlines current trends and future research directions in smart agriculture.*

Keywords: Convolutional Neural Networks

