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HYBRID DEEP LEARNING AND METAHEURISTIC OPTIMISATION FRAMEWORK FOR FRUIT DISEASE CLASSIFICATION USING MOBILENETV3 AND ARTIFICIAL BEE COLONY

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This paper introduces a combined deep learning and machine learning setup designed to spot fruit diseases. We start by pulling key data points out of images using a pre-trained MobileNetV3Large model, then refine those details using Artificial Bee Colony Optimisation. Finally, standard machine learning models use these polished features to sort the data, resulting in a highly accurate system that significantly boosts classification performance.