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Comparative Study of Accuracy levels on Malaria Dataset using CNN

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Abstract:--
        Convolutional Neural Networks or CNNs are a class of deep neural networks, this technology stack is usually applied to imagery data. There have been various fields that CNNs have proved to be game-changers from Health Care Industry to Agriculture etc. In Spite of their success in various fields, there are numerous cases where CNN's also fail to achieve proper accuracy levels. The aim of this research is to study how a CNN algorithm works differently for different numbers of training images each time. We have worked out two CNN algorithms to train on the image dataset. The dataset used to train the network contains 23,540 images belonging to two classes.

Key Words:
        Convolution, Flattening, Fully Connected Layer, Malaria image data, Pooling.