Deep Supermarket: Transfer Learning Approach for Classification of Indian Supermarket Products

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**Highlights**

* Comparative evaluation of different deep neural network models and techniques for classifying Indian supermarket products
* Creation of a unique image dataset due to a lack of appropriate existing datasets
* Utilization of Transfer Learning methods with pre-trained models like EfficientNetB7, InceptionResNetV2, DenseNet169, and DenseNet201 (ImageNet weights) for improved classification performance
* Exceptional performance demonstrated by DenseNet201, with a training accuracy of 99.36% and validation accuracy of 80.47%, making it the most optimal architecture for classifying Indian supermarket products