Multi-Label

1. Hybrid CNN-SVM Classifier

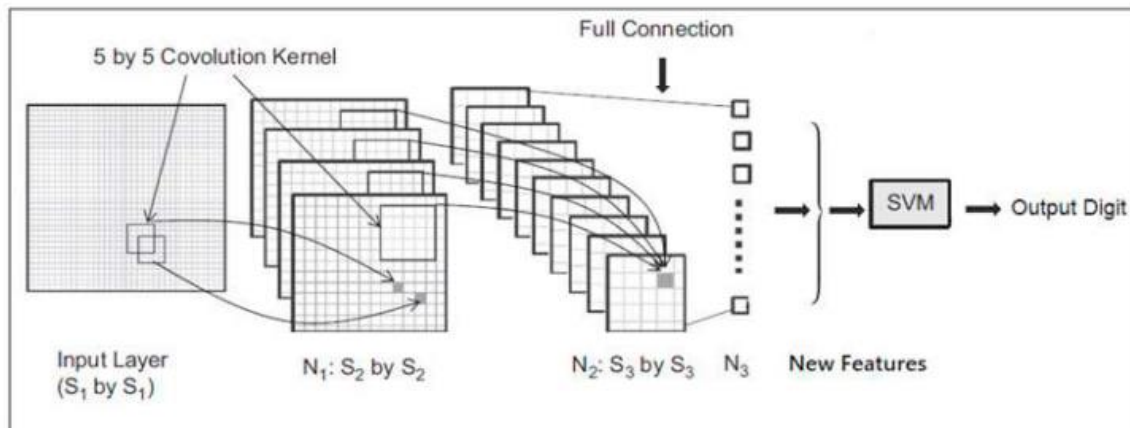99.28% recognition accuracy over MNIST

Fig. 1. Architecture of the proposed Hybrid CNN-SVM Model
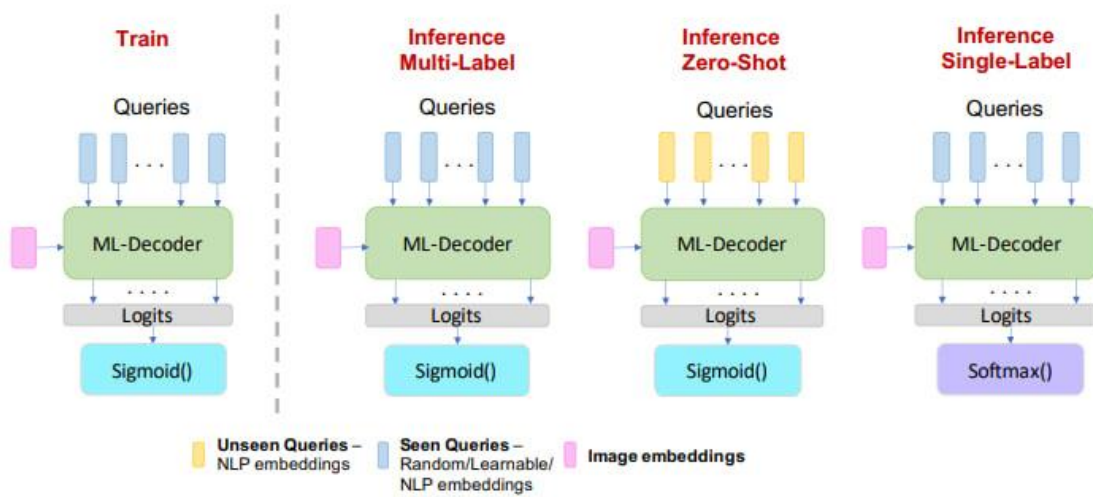
2. Functional API

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3. Using ML-Decoder as classification head

State of the art for multi labeling

Using self-attention and cross attention. Usable for multi-label, zero-shot and single classification.

Multi-label zero shot learning → using NLP-based queries for each label

Scheme of a group fully-connected layer: