

EE 5450 Project 02: Convolutional Neural Network Classification of the Animals Data Set

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1 Introduction

The rebirth of Neural Networks (NNs) and Machine Learning (ML) has offered revolutionary approaches to intelligent tasks previously unattainable in the field of image processing and computer vision

2 Methods and Results

2.1 ShallowNet/MohlerNet1

2.2 MohlerNet2

The initial modification to the original network lies in the expansion of the architecture to incorporate key elements of Convolutional Neural Networks such as pooling layers and incorporation of neuron dropout prior to the fully connected layer.

3 Conclusions

A Code Listings