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## Review on Case Study of Image Classification using CNN

Pratik Yadav<sup>1</sup>, Naveen Madur<sup>2</sup>, Yogesh Dongare<sup>3</sup>, Vishwajeet Rajopadhye<sup>4</sup>, Mr.Shrikant Salatogi<sup>5</sup>

UG Scholars, Department of Computer Science and Engineering<sup>1,2,3,4</sup> Guide, Department of Computer Science and Engineering<sup>5</sup> SVERIs College of Engineering, Pandharpur, India

**Abstract**: Traditional neural networks though have achieved appreciable performance at image classification, they have been characterized by feature engineering, a tedious process that results in poor generalization to test data. In this report, we present a convolutional neural network (CNN) approach for classifying CIFAR-10 datasets. This approach has been shown in previous works to achieve improved performances without feature engineering. Learnable filters and pooling layers were used to extract underlying image features.

Keywords: Classification using CNN, Feature engineering, CIFAR-10, Pooling

## REFERENCES

[1]. Tensorflow : Official website

[2]. YouTube : Official website