

Rock, Paper, Scissors: CNN for Image Classification

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Abstract

This project aims to develop Convolutional Neural Networks (CNNs) for the classification of images in a rps dataset ... multiple models are designed, trained, and evaluated to compare performance, generalization ...

- 1 Introduction**
- 2 Dataset and Exploratory Data Analysis**
- 3 Data preprocessing**
- 4 Methodology**
 - 4.1 CNN architectures**
 - 4.2 Training**
 - 4.3 Hyperparameter tuning**
- 5 CNN models**
 - 5.1 Model A: baseline CNN**
 - 5.2 Model B: enhanced/intermediate CNN**
 - 5.3 Model C: final CNN**
- 6 Experimental results**
- 7 Model comparison**
- 8 Discussion**
- 9 Optional generalization test**
- 10 Conclusions**

This project demonstrates...

References

Declaration

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