README

Michael Low

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**Project's Title:** Laboratory Assignment #7

**Project Description**: The goal of this lab is to develop and train a CNN (convolutional neural network) to recognize images by training the CIFAR-10 dataset. The CIFAR-10 dataset contains 60000 images of 10 classes of 32x32 pictures. This project also game development (Balloon Flight).

**Installation and Running of the Project**: These libraries should be installed before running the project.

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Libraries required to run the balloon flight game

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**1).** CNN - Baseline + Increasing Dropout + Data Augmentation + Batch Normalization +

The convolutional base model to achieve higher accuracy

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**2).** CNN - Challenge test (Image recognition)

Image classification and function

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 To test more random images, use where the user pastes the address of the picture into a destination.

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**Youtube demonstration for CNN, test image, balloon flight:** <https://youtu.be/L1bIudzisQA>

**GitHub**

**Michael Low GitHub:** https://github.com/Mlowest/Lab-7-

**Alhaji A. Sharka GitHub:** https://github.com/Alhaji22/EE104\_LAB7