Weekly Schedule Schedule:
Sunday, 5:00 PM @ CSE Basement + Wednesday 7:00 PM @ CSE Basement
Our github repo: [alckasoc/sp22-team-1 (github.com)](github.com)

5/8/2022 Meeting Time: Sunday 5:00 PM @ Zoom this week
Weekly Meeting Time: Wednesday 7:00 PM
Attendees: Aarohi, Vincent, Yosen, Haaris

Summary of Meeting

- **Quizzed each other on CNN**

  1. What is a Deep Neural Network?
  2. What is a Convolutional Neural Network?
  3. What makes a CNN better than a DNN for processing images?
  4. What is a convolution?
  5. Why are these convolutions better than simple Linear layers?
  6. Why do we have a Linear layer at the end of a CNN?
  7. What is max/average pooling and why do we use it?
  8. What do the hyperparameters mean for Conv2D and also the pooling?

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- **Solved output dimension using (N+2P-F)/S**
- [**https://colab.research.google.com/drive/1jTfNNoaq4SSuRP0TZ4vVLGxprzCjZ_z0?usp=sharing**](https://colab.research.google.com/drive/1jTfNNoaq4SSuRP0TZ4vVLGxprzCjZ_z0?usp=sharing) **(Conv2D equation to identify shape of output)**
- **Brief introduction to R-CNNs**
    - **We will be using Faster R-CNNs**

Notes

- **What each person has accomplished so far:**
    - **Yosen: became more familiarized with how filters work in CNN, feed forward, and backprop**
    - **Aarohi: solid theoretical foundation, shaky with coding**
    - **Haaris: not much progress, getting ready to start R-CNNs**

Action Plan:

- Understanding the theoretical aspect Mask R-CNN
  - R-CNN, Fast R-CNN, Faster R-CNN
- Resources on repo