

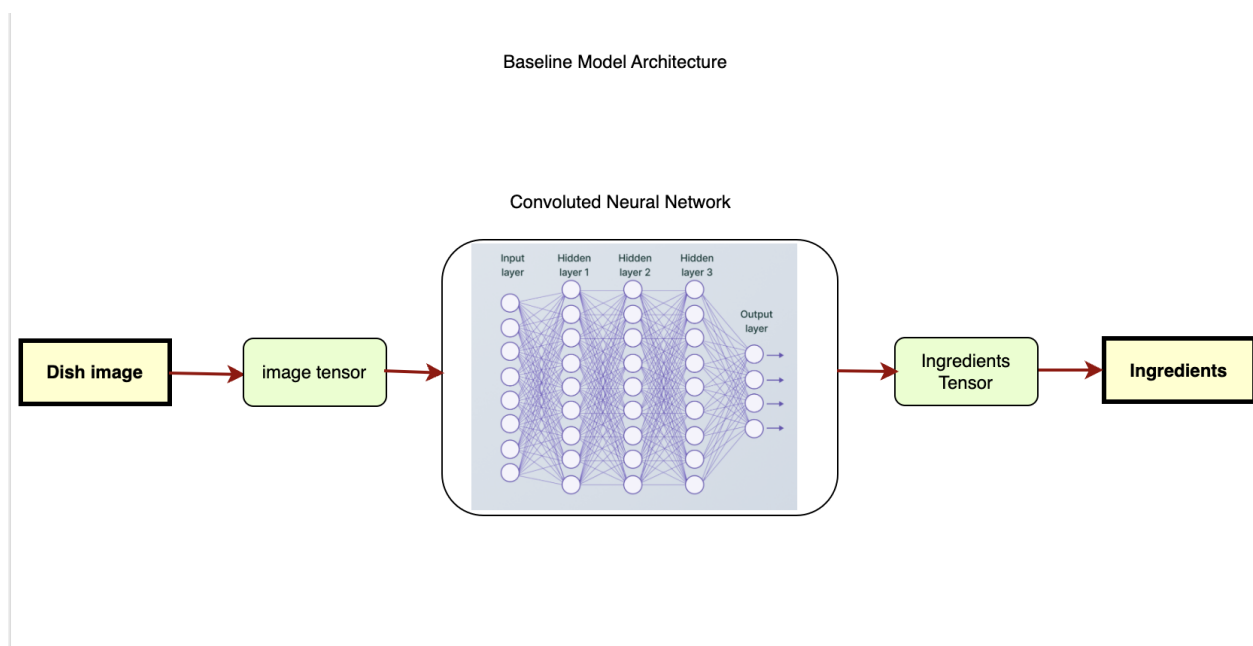
Initial Project Design of CS229

Summary

First a baseline will be built using a simple CNN model to identify the gradients of the dish image. Some core components will be set up for this purpose. After mid-checkpoint, more advanced models and functionalities will be iterated upon depending on the timeline.

Design

For the baseline model, we will start with a simple CNN



Tasks

1. Download dataset
 - a. Confirm the validity of data source
 - b. Develop script to download the dataset
2. For the model, there are a couple of approaches
 - a. Use ResNet
 - i. No much work
 - b. Use built-in lib to construct the CNN
 - i. Less than 100 lines,
 - ii. Lots of testing scenarios
 - iii. Fine tuning
3. Set up pre-trained model for reference (optional)

