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CSCI 4540

Mobile Computing Project Description

Initially, I intended to create an app for scanning receipts and processing images into text. This was based on my goal of combining receipts into a CSV file for finance tracking and management. My app is able to load images from Firebase to process into text, and process images taken directly from the camera.

The major technologies I used were: Google ML Kit for extracting and processing images into text and Firebase for storing images and text in the cloud.

Using Google's pretrained model was one of the easy parts of the projects, since it can be auto downloaded via Google Play Services. The model itself works well enough with regular text, but has a hard time recognizing blurry, dimly lit, or too small text.