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CS 6600: Intelligent Systems

Pneumonia Classifier

The Pneumonia Classifier report, code, and model are available on Google Colaboratory at:
https://colab.research.google.com/github/rmcnew/Pneumonia_Classifier/blob/master/Pneumonia_Classifier.ipynb

The Pneumonia Classifier code and model are also available on GitHub at:
https://github.com/rmcnew/Pneumonia_Classifier

The majority of the work for this project was performed using Google Colaboratory to take advantage of better hardware for model training. This is described in detail in the report.

The code can be directly run in Google Colaboratory but it does require a Google account. I have also created Python scripts that work outside of Google Colaboratory, but fairly powerful hardware is recommended (Intel Core i7 or equivalent, 24 GB RAM, GPU-acceleration, etc.).

The instructions to setup Pneumonia Classifier in a non-Colaboratory environment are given in "How_To_Run.txt" in the GitHub repository.