Ayyash Fous

BUILT A PNEUMONIA DETECTION MODEL USING TEACHABLE MACHINE

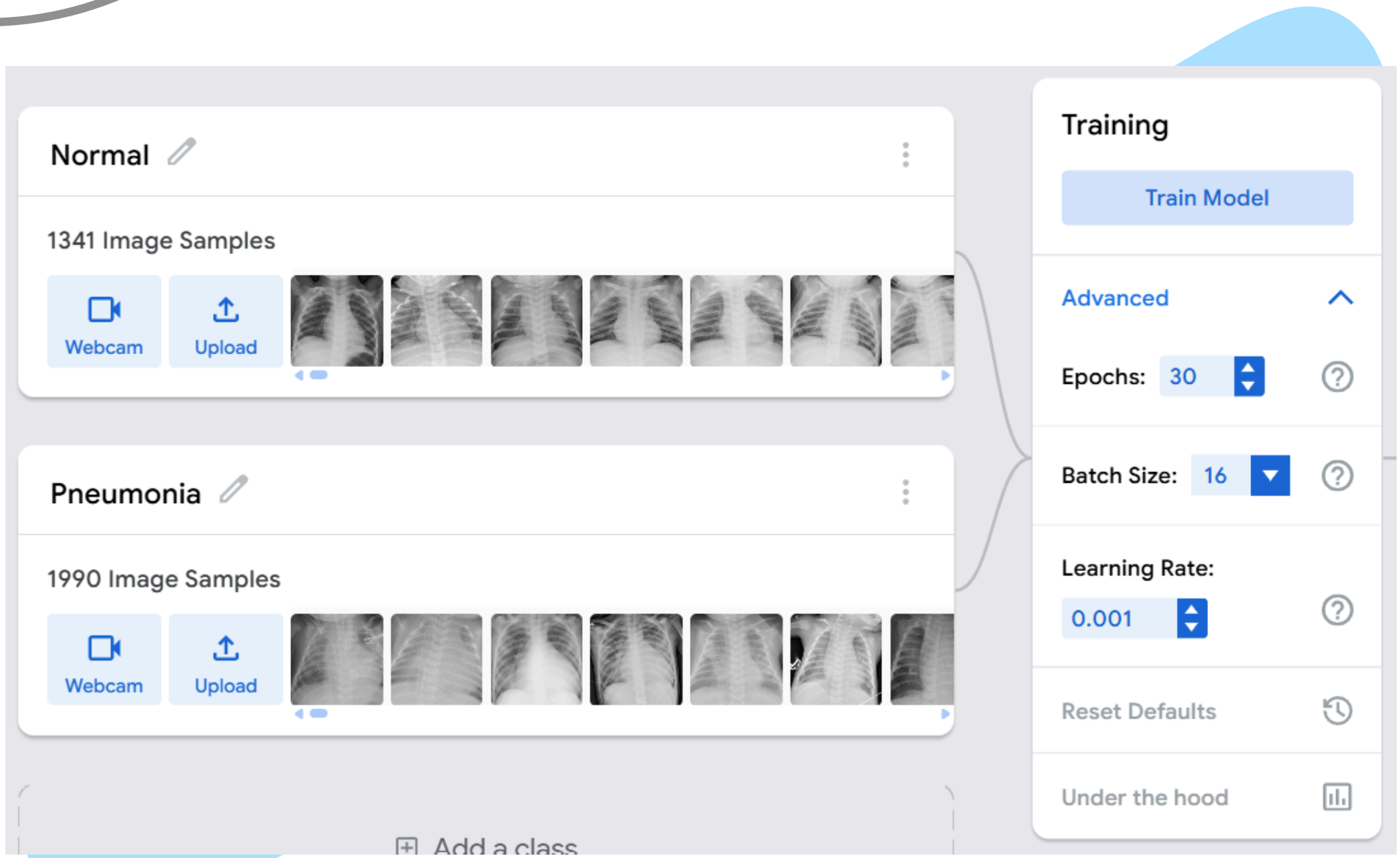
Built it in minutes. Tested it on real medical data.

SWIPE

PROJECT OVERVIEW

- **Problem:** Early pneumonia detection is crucial but often delayed.
- **Solution:** A deep learning model trained to classify X-rays into “Pneumonia” or “Normal”.
- **Tool Used:** Teachable Machine by Google
- **Dataset:** Chest X-Ray Images (Pneumonia) - Kaggle

MODEL ARCHITECTURE



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MODEL ARCHITECTURE

- **Backbone:** MobileNet
- **Image Size:** 224×224
- **Augmentations:** Rotation, flip, noise
- **Train/Test Split:** 80/20

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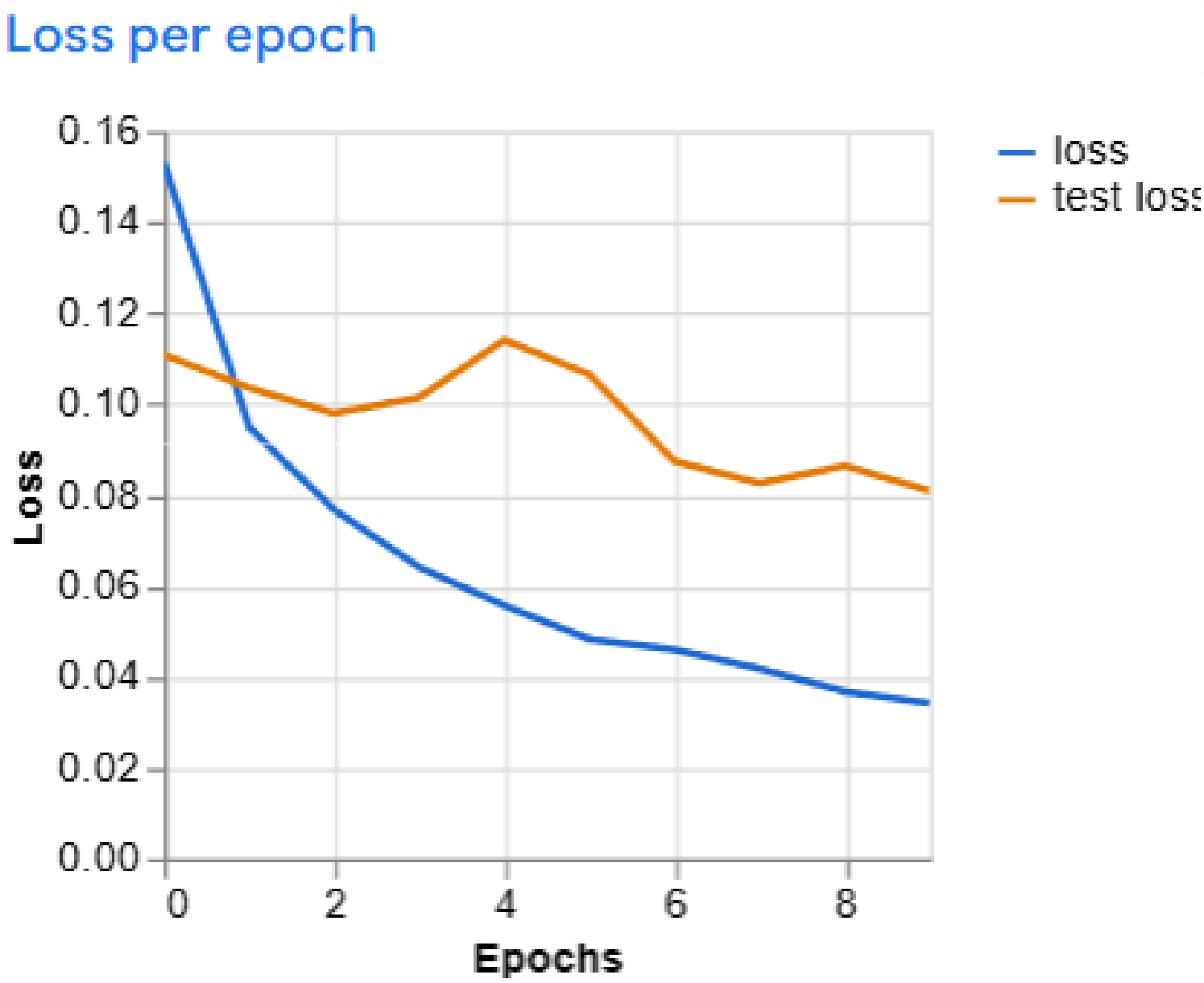
LOSS CURVES



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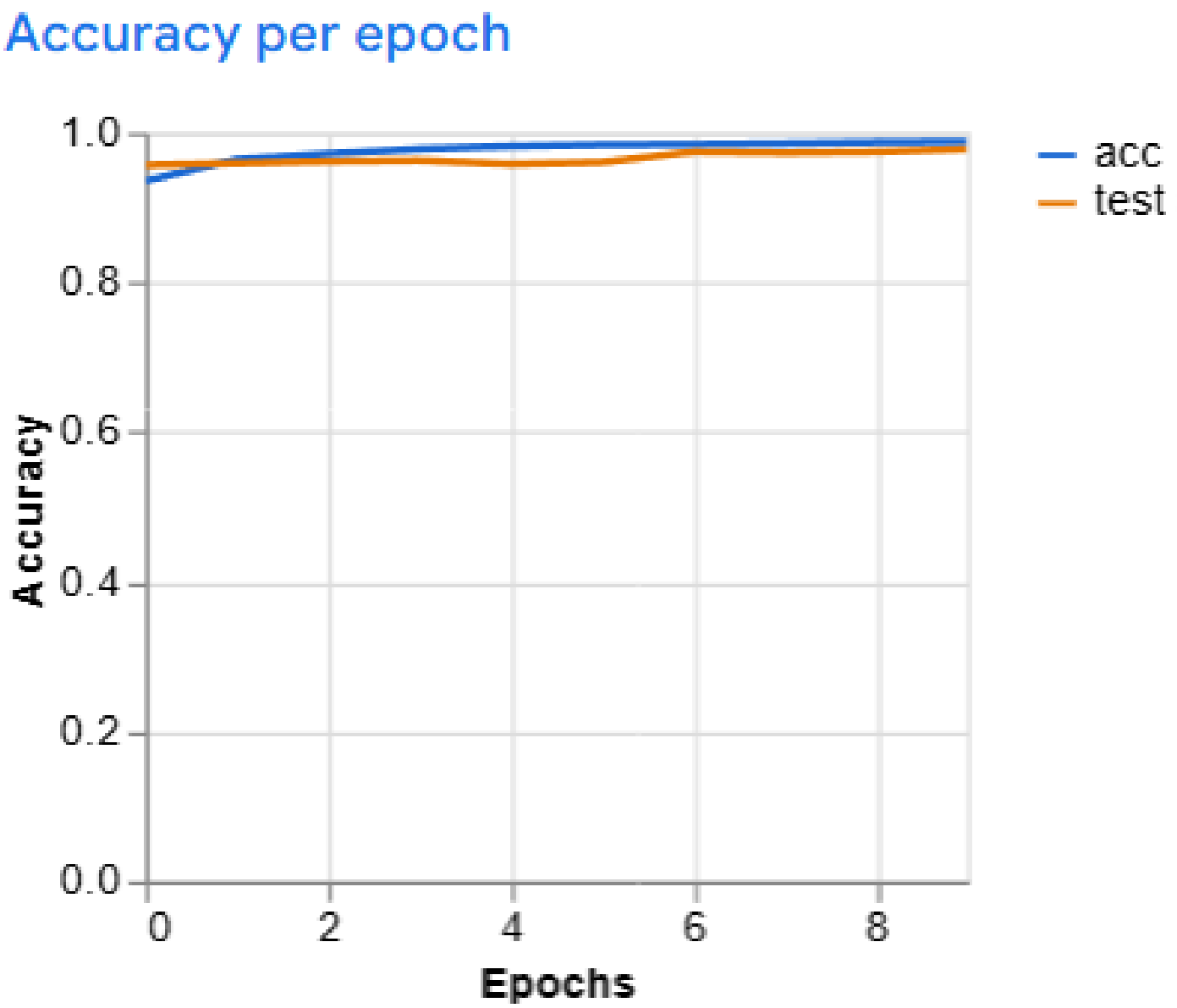
ACCURACY CURVES



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ACCURACY

Accuracy per class

CLASS	ACCURACY	# SAMPLES
Normal	0.97	202
Pneumonia	0.98	582

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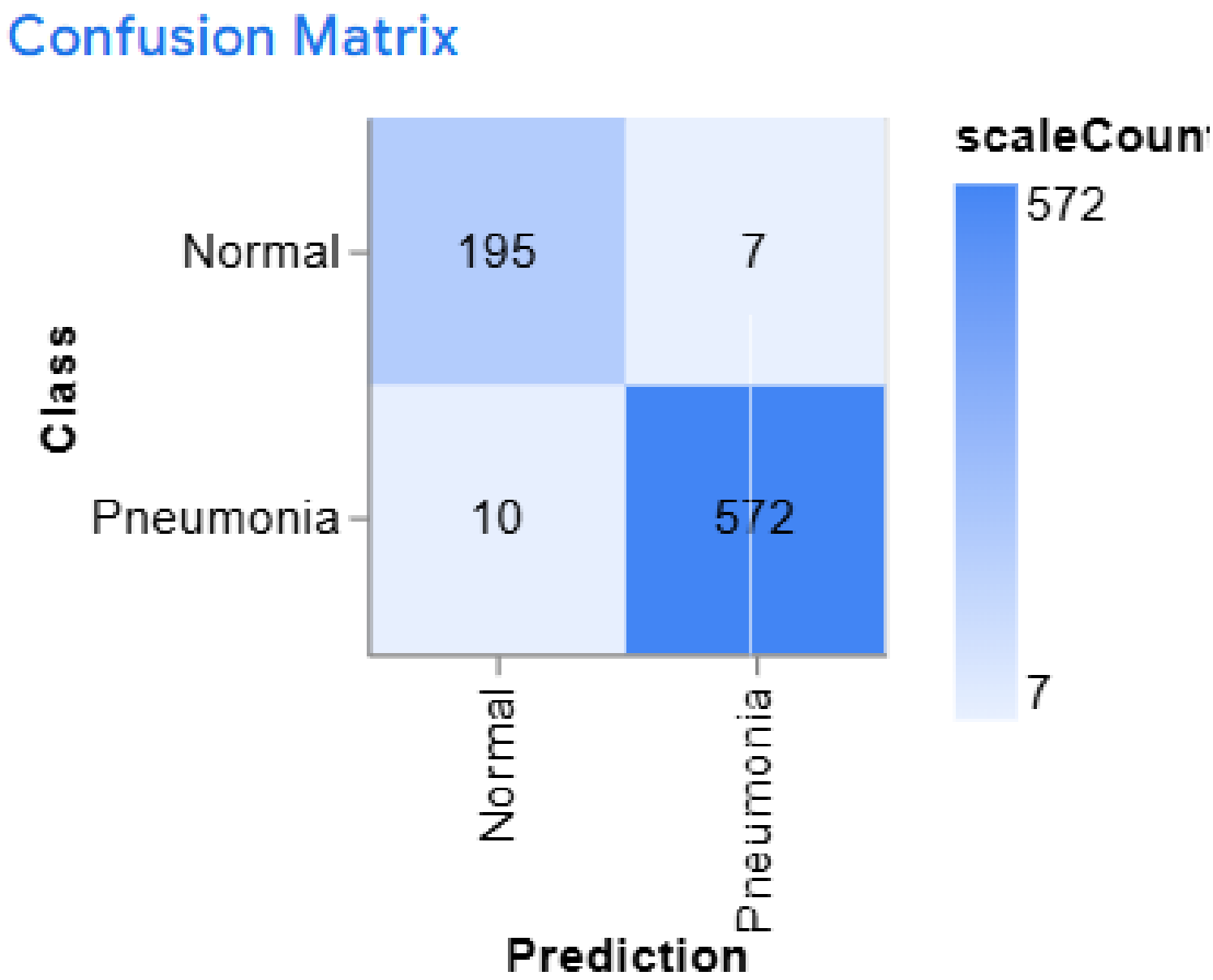
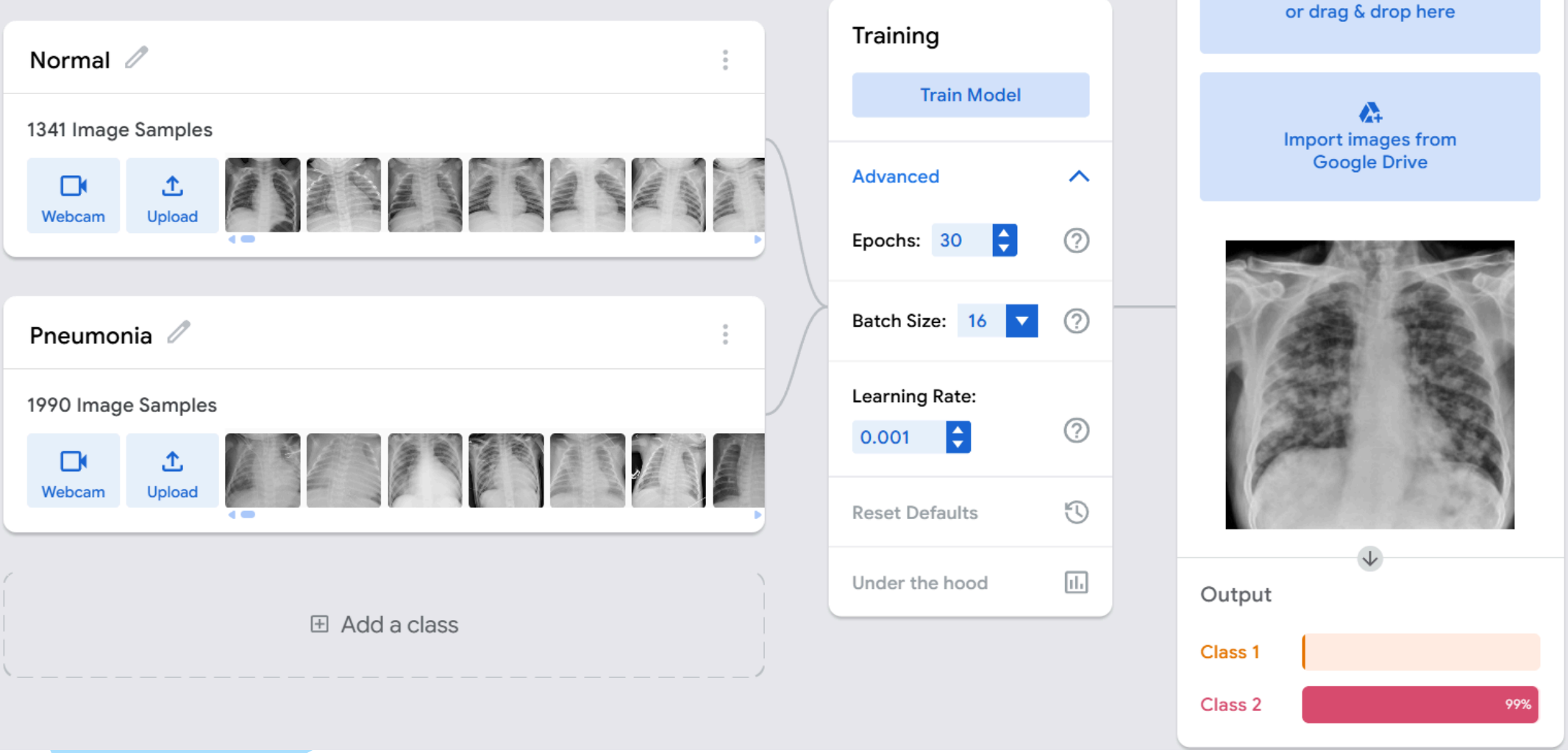
CONFUSION MATRIX



SWIPE

PREDICTION



SWIPE

THANKS FOR SWIPING!

Let's connect together

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