We implemented specific disease checking functionality where the AI spots symptoms based upon the image analysis. Specifically, the AI has gotten good at spotting eye and skin issues and also bloating.

Iteration 4 vs Iteration 7 vs Iteration 8 vs Microsoft Vision

Tag	Probability
cat	99.5%
pig	3.3%
standing	1.4%
agressive	1.2%
happy	1.1%

Tag	Probability
cat	99.7%
eyes	34.4%
skin condition	12%
happy	3.7%
laying	3.3%

animal (99.91%)
mammal (99.86%)
cat (99.31%)
domestic cat (98.94%)
whiskers (98.35%)
small to medium-sizec
felidae (94.90%)
malayan cat (84.74%)
white (75.76%)
orange (69.66%)

Tag	Probability
cat	99.7%
unhealthy eyes	58.2%
laying	5%
skin condition	3.7%
healthy eyes	2.9%

Confidence score is much greater and the differentiation between our Ai and the Microsoft pre-trained one shows that despite having perhaps less access to training resources, the focus on specific animal behavior and symptoms makes it better for the purpose of informing pet owner of their animal's illnesses.

Iteration 4 vs Iteration 7 vs Iteration 8 vs Microsoft AI

Tag	Probability
dog	96.2%
cat	13.9%
energetic	2.7%
happy	2.5%
sociable	2.4%

Tag	Probability
dog	96.5%
skin condition	58.6%
eyes	17.3%
bloated	9.1%
cat	7.8%

Tag	Probability
dog	96.7%
skin condition	73%
bloated	2.5%
unhealthy eyes	2.3%
cat	1.5%

dog breed (98.41%)
animal (98.24%)
mammal (97.07%)
pet (95.97%)
dog (93.41%)
fur (86.68%)
brown (66.18%)

Confidence score has increased, and false positives have fallen iteration by iteration