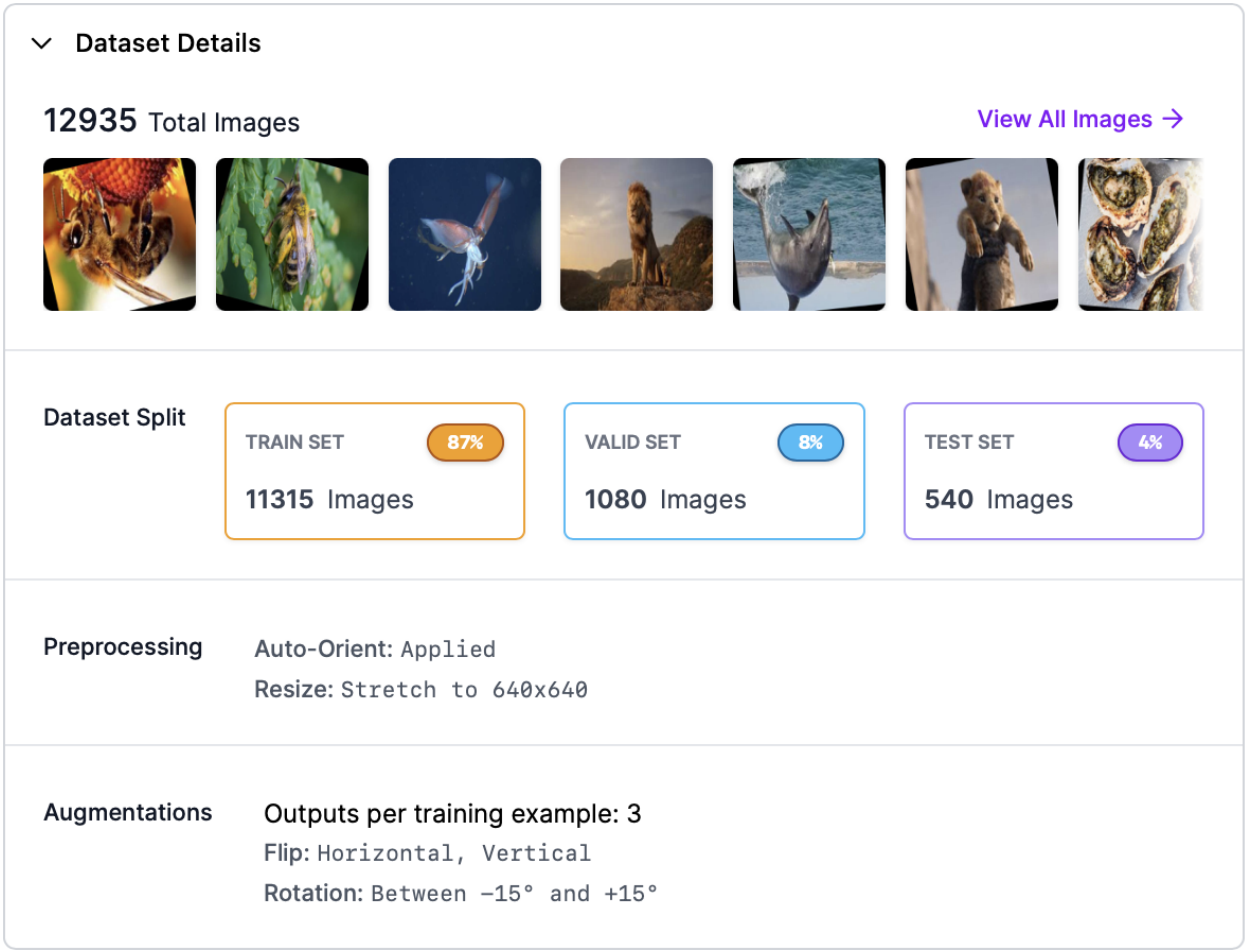
Animal Image Classification Using Roboflow

Dataset

90 classes of different animals, 12935 Toal images split into train, valid, test sets (87/8/4):



Training

Trained dataset using Roboflow free GPU credits. Example for code that could be used to train locally can be found in ML.ipynb.

Note: this training was NOT done using ML.ipynb. Roboflow does not allow for custom python code, it trains using its own pre-trained model for a given task. ML.ipynb was too slow to run locally, so I had to use a cloud solution.

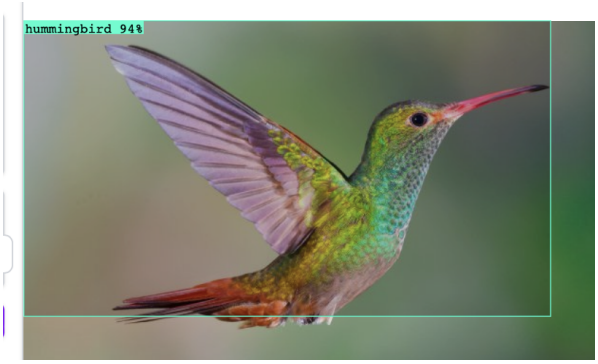
Results

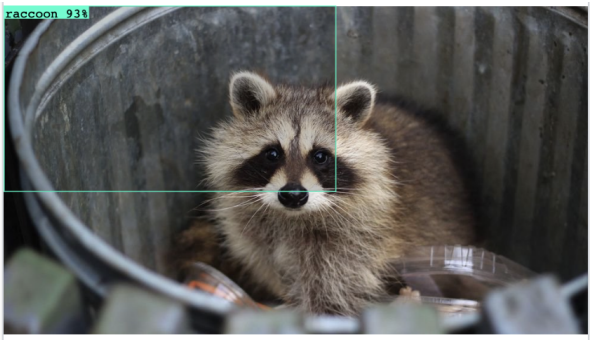
99.5% accuracy for image classification on VALID set

Examples

Ignore the bounding boxes, they are not applicable in this training task.

The % is confidence


hummingbird 94%


raccoon 93%