

Assignment 01

Simon Franken

2025-10-22

Course: Multimedia Project WiSe 2526

Excercise 1.3 Forward Pass

a) Two of the results were entirely correct. Some of the incorrect results were at least in the right direction, such as “llama” for “zoo.jpg” and “bathing cup” for “rubber duck sculpture.jpg”.

Image	Model Output	Result
“golden retriever.jpg”	golden retriever	Correct
“koala.jpg”	koala	Correct
“pacifier.jpg”	Petri dish	Incorrect
“rubber duck sculpture.jpg”	bathing cup	Incorrect
“rubber ducks.jpg”	frying pan	Incorrect
“shoehorn.jpg”	wine bottle	Incorrect
“zoo.jpg”	llama	Incorrect, but close

b) The resizing to a lower resolution resulted in none of the answers being entirely accurate. However, for the animals, the answers were quite close. This can be attributed to the loss of detail during the downsizing process.

Image	Model Output	Result
“golden retriever.jpg”	Saluki	Incorrect, but close
“koala.jpg”	Madagascar cat	Incorrect, but close
“pacifier.jpg”	maze	Incorrect
“rubber duck sculpture.jpg”	goldfinch	Incorrect
“rubber ducks.jpg”	confectionery	Incorrect
“shoehorn.jpg”	banana	Incorrect
“zoo.jpg”	fountain	Incorrect

c) The vertical flip posed a significant challenge to the model. While none of the results were entirely accurate, a few were moving in the right direction. It's likely that the model was trained using images that were not upside down, which lead to those results.

Image	Model Output	Result
"golden retriever.jpg"	fox squirrel	Incorrect, right direction
"koala.jpg"	Madagascar cat	Incorrect, but close
"pacifier.jpg"	nipple	Incorrect
"rubber duck sculpture.jpg"	stage	Incorrect
"rubber ducks.jpg"	frying pan	Incorrect
"shoehorn.jpg"	punching bag	Incorrect
"zoo.jpg"	shield	Incorrect