

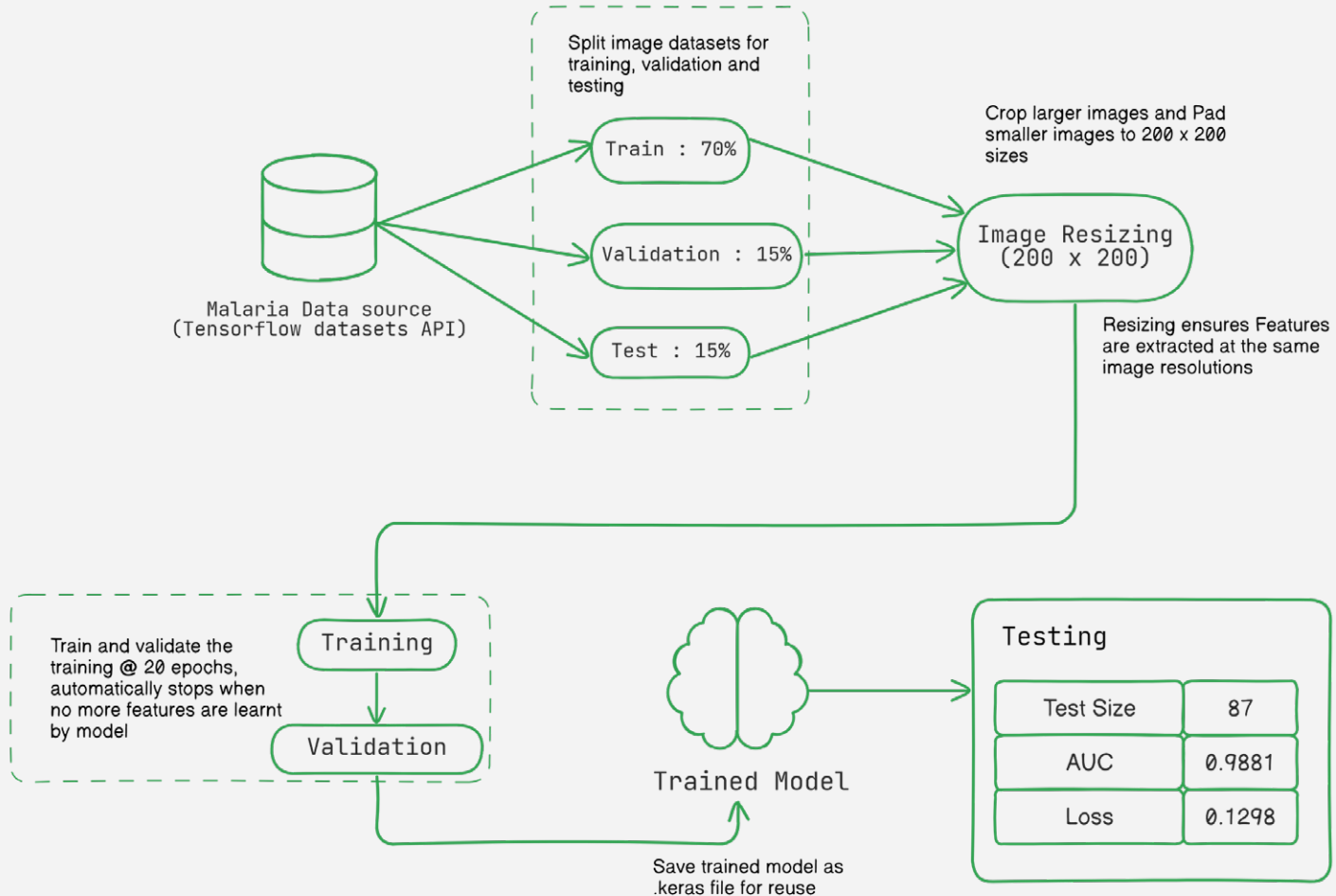
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Task:

TensorFlow is an open-source machine learning framework developed by Google for the sole purpose of building and training machine learning models. One of the datasets under the Tensorflow Image libraries is a malaria dataset which contains approximately 27,500 cell images of parasitized and uninfected cells from thin blood smear slide images of segmented cells.

Using this dataset, we would like you to create a model which is able to classify whether a blood smear is uninfected or parasitized.



Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 200, 200, 16)	448
conv2d_1 (Conv2D)	(None, 200, 200, 16)	2,320
max_pooling2d (MaxPooling2D)	(None, 100, 100, 16)	0
sequential (Sequential)	(None, 50, 50, 32)	2,160
sequential_1 (Sequential)	(None, 25, 25, 64)	7,392
sequential_2 (Sequential)	(None, 12, 12, 128)	27,072
dropout (Dropout)	(None, 12, 12, 128)	0
sequential_3 (Sequential)	(None, 6, 6, 256)	103,296
dropout_1 (Dropout)	(None, 6, 6, 256)	0
flatten (Flatten)	(None, 9216)	0
sequential_4 (Sequential)	(None, 512)	4,721,152
sequential_5 (Sequential)	(None, 128)	66,176
sequential_6 (Sequential)	(None, 64)	8,512
dense_3 (Dense)	(None, 1)	65

