

INFORMATION ABOUT U-NET MODEL TRAINING

4 - Train the Model

```
EPOCHS = 5
VAL_SUBSPLITS = 5
BUFFER_SIZE = 500
BATCH_SIZE = 32
train_dataset = processed_image_ds.cache().shuffle(BUFFER_SIZE).batch(BATCH_SIZE)
print(processed_image_ds.element_spec)
model_history = unet.fit(train_dataset, epochs=EPOCHS)
```

(TensorSpec(shape=(96, 128, 3), dtype=tf.float32, name=None), TensorSpec(shape=(96, 128, 1), dtype=tf.uint8, name=None))

Epoch 1/5
34/34 [=====] - 369s 11s/step - loss: 0.4991 - accuracy: 0.8639

Epoch 2/5
34/34 [=====] - 364s 11s/step - loss: 0.4408 - accuracy: 0.8761

Epoch 3/5
34/34 [=====] - 368s 11s/step - loss: 0.3932 - accuracy: 0.8868

Epoch 4/5
34/34 [=====] - 369s 11s/step - loss: 0.3729 - accuracy: 0.8930

Epoch 5/5
34/34 [=====] - 366s 11s/step - loss: 0.3270 - accuracy: 0.9006

