```
 1 D:\Project\CSAT\.venv\Scripts\python.exe D:\Project\
   CSAT\model_training.py
 2 2025-10-16 21:35:09.940402: I tensorflow/core/util/
   port.cc:153] oneDNN custom operations are on. You may
    see slightly different numerical results due to
   floating-point round-off errors from different
   computation orders. To turn them off, set the
   environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
 3 2025-10-16 21:35:17.949965: I tensorflow/core/util/
   port.cc:153] oneDNN custom operations are on. You may
    see slightly different numerical results due to
   floating-point round-off errors from different
   computation orders. To turn them off, set the
   environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
 4 2025-10-16 21:35:23.969918: I tensorflow/core/
   platform/cpu_feature_guard.cc:210] This TensorFlow
   binary is optimized to use available CPU instructions
    in performance-critical operations.
 5 To enable the following instructions: SSE3 SSE4.1
   SSE4.2 AVX AVX2 FMA, in other operations, rebuild
   TensorFlow with the appropriate compiler flags.
 6 Epoch 1/10
 7    1074/Unknown 74s 66ms/step - loss: 2.6009 -
   root_mean_squared_error: 1.55692025-10-16 21:36:38.
   105156: I tensorflow/core/framework/local_rendezvous.
   cc:407] Local rendezvous is aborting with status:
   OUT_OF_RANGE: End of sequence
 8       [[{{node IteratorGetNext}}]]
 9 D:\Project\CSAT\.venv\Lib\site-packages\keras\src\
   trainers\epoch_iterator.py:164: UserWarning: Your
   input ran out of data; interrupting training. Make
   sure that your dataset or generator can generate at
   least `steps_per_epoch * epochs` batches. You may
   need to use the `.repeat()` function when building
   your dataset.
10   self._interrupted_warning()
11 2025-10-16 21:36:46.629685: I tensorflow/core/
   framework/local_rendezvous.cc:407] Local rendezvous
   is aborting with status: OUT_OF_RANGE: End of
   sequence
12       [[{{node IteratorGetNext}}]]
```

```
13 1074/1074 ━━━━━━━━━━━━━━━━━━━ 82s 74ms/step - loss:
   1.7993 - root_mean_squared_error: 1.3414 - val_loss:
   1.4936 - val_root_mean_squared_error: 1.2221
14 Epoch 2/10
15 1074/1074 ━━━━━━━━━━━━━━━━━━━ 81s 74ms/step - loss:
   1.4622 - root_mean_squared_error: 1.2092 - val_loss:
   1.4837 - val_root_mean_squared_error: 1.2181
16 2025-10-16 21:38:07.219715: I tensorflow/core/
   framework/local_rendezvous.cc:407] Local rendezvous
   is aborting with status: OUT_OF_RANGE: End of
   sequence
17      [[{{node IteratorGetNext}}]]
18 Epoch 3/10
19 1074/1074 ━━━━━━━━━━━━━━━━━━━ 82s 75ms/step - loss:
   1.3834 - root_mean_squared_error: 1.1762 - val_loss:
   1.4879 - val_root_mean_squared_error: 1.2198
20 Epoch 4/10
21 1074/1074 ━━━━━━━━━━━━━━━━━━━ 80s 74ms/step - loss:
   1.3008 - root_mean_squared_error: 1.1405 - val_loss:
   1.5226 - val_root_mean_squared_error: 1.2339
22 Epoch 5/10
23 2025-10-16 21:40:49.264508: I tensorflow/core/
   framework/local_rendezvous.cc:407] Local rendezvous
   is aborting with status: OUT_OF_RANGE: End of
   sequence
24      [[{{node IteratorGetNext}}]]
25 1074/1074 ━━━━━━━━━━━━━━━━━━━ 80s 74ms/step - loss:
   1.2133 - root_mean_squared_error: 1.1015 - val_loss:
   1.5443 - val_root_mean_squared_error: 1.2427
26 Epoch 6/10
27 1074/1074 ━━━━━━━━━━━━━━━━━━━ 80s 73ms/step - loss:
   1.1144 - root_mean_squared_error: 1.0556 - val_loss:
   1.5677 - val_root_mean_squared_error: 1.2521
28 Epoch 7/10
29 1074/1074 ━━━━━━━━━━━━━━━━━━━ 80s 74ms/step - loss:
   1.0311 - root_mean_squared_error: 1.0154 - val_loss:
   1.5944 - val_root_mean_squared_error: 1.2627
30 ▯ Model saved to artifacts/deepcsat_model.keras
31
```