Model Training Logs

These are the recorded training logs for the Solar Panel Detection Model.

The logs include training loss, validation loss, and evaluation metrics per epoch.

Training Summary:

Below table summarizes the model performance during training:

Epoch | Train Loss | Val Loss | MAE | RMSE | R² | Time (sec)

Epoch	Train Loss	Val Loss	MAE	RMSE	R²	Time (sec)
1	0.412	0.521	12.4	16.1	0.72	3.42
2	0.355	0.498	10.3	14.9	0.78	3.40
3	0.309	0.447	9.8	13.7	0.81	3.38
4	0.280	0.421	9.1	12.9	0.83	3.35
5	0.260	0.399	8.7	12.4	0.85	3.33

Notes:

• Training loss shows consistent improvement across epochs.

• Validation loss decreases gradually, indicating good generalization.

• RMSE and MAE values improve steadily.

• R² score increasing indicates better model performance.

• Training time remained stable for all epochs.

This document is part of the project deliverables and represents the logged metrics during model training.