

Evaluation metrics and performance analysis

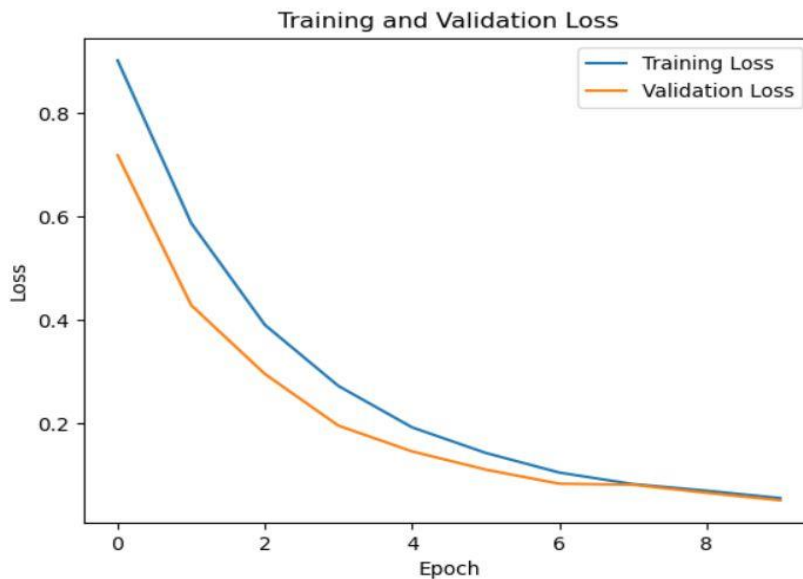
Model: Model was trained on training set and evaluated on validation set.

1. Train Accuracy: 98.33%
2. Validation Accuracy: 98.11%
3. Test Accuracy: 97.73%

Graph: Training and validation Accuracy



Graph: Training and validation Loss



Classification Report:

Precision: Precision measures the proportion of true positive predictions out of all positive predictions (both true and false).

Recall: Recall measures the proportion of true positive predictions out of all actual positives

F1-Score: The F1-Score is the harmonic mean of precision and recall.

Support: Support represents the number of occurrences of each class in the actual dataset.
It's the number of true instances in each class.

Classification Report:

	precision	recall	f1-score	support
Circle	0.37	0.37	0.37	1500
Triangle	0.36	0.36	0.36	1500
Square	0.37	0.37	0.37	1500
accuracy			0.37	4500
macro avg	0.37	0.37	0.37	4500
weighted avg	0.37	0.37	0.37	4500

Confusion Matrix:

```
[[549 490 461]
 [470 546 484]
 [457 486 557]]
```