

Epoch 1/30:

Train Loss: 0.2296, Train Acc: 0.9176, Prec: 0.9200, Recall: 0.9196, F1: 0.9198

Val Loss: 0.2180, Val Acc: 0.9505, Prec: 0.9494, Recall: 0.9541, F1: 0.9511

Epoch 2/30:

Train Loss: 0.0907, Train Acc: 0.9703, Prec: 0.9706, Recall: 0.9708, F1: 0.9707

Val Loss: 0.4391, Val Acc: 0.9265, Prec: 0.9284, Recall: 0.9316, F1: 0.9278

Epoch 3/30:

Train Loss: 0.0586, Train Acc: 0.9815, Prec: 0.9815, Recall: 0.9819, F1: 0.9817

Val Loss: 0.3395, Val Acc: 0.9450, Prec: 0.9453, Recall: 0.9505, F1: 0.9456

Epoch 4/30:

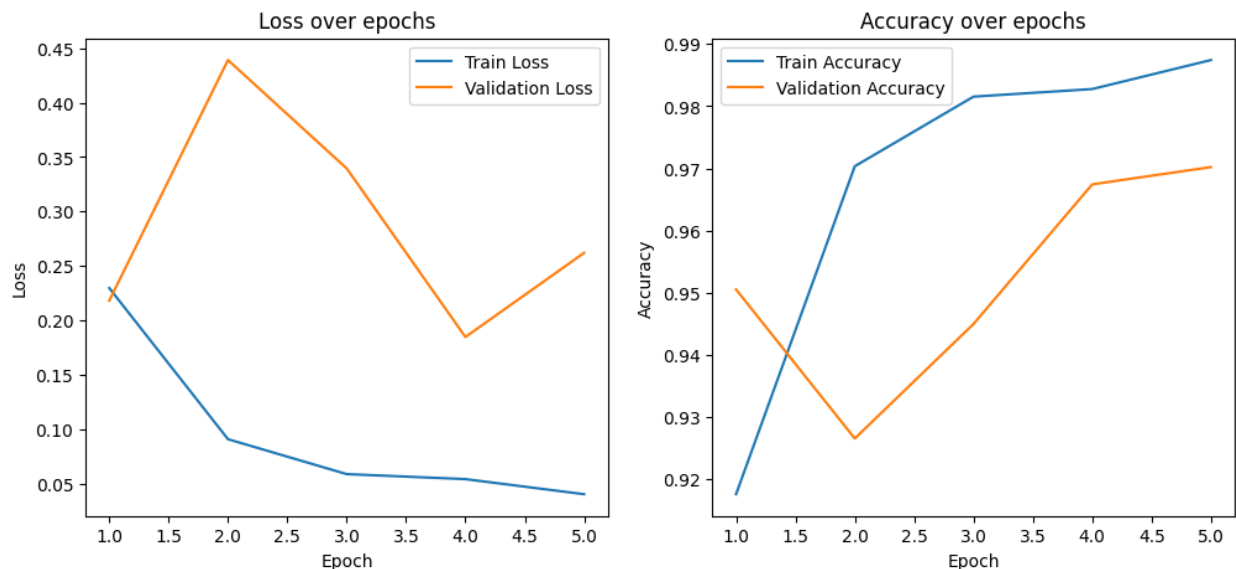
Train Loss: 0.0540, Train Acc: 0.9828, Prec: 0.9835, Recall: 0.9833, F1: 0.9834

Val Loss: 0.1846, Val Acc: 0.9674, Prec: 0.9661, Recall: 0.9708, F1: 0.9680

Epoch 5/30:

Train Loss: 0.0402, Train Acc: 0.9874, Prec: 0.9878, Recall: 0.9879, F1: 0.9879

Val Loss: 0.2619, Val Acc: 0.9702, Prec: 0.9689, Recall: 0.9740, F1: 0.9708



Epoch 6/30:

Train Loss: 0.0388, Train Acc: 0.9885, Prec: 0.9887, Recall: 0.9887, F1: 0.9887

Val Loss: 0.1842, Val Acc: 0.9571, Prec: 0.9549, Recall: 0.9601, F1: 0.9569

Epoch 7/30:

Train Loss: 0.0433, Train Acc: 0.9865, Prec: 0.9864, Recall: 0.9865, F1: 0.9865

Val Loss: 0.2947, Val Acc: 0.9599, Prec: 0.9588, Recall: 0.9645, F1: 0.9605

Epoch 8/30:

Train Loss: 0.0349, Train Acc: 0.9903, Prec: 0.9902, Recall: 0.9904, F1: 0.9903

Val Loss: 0.3187, Val Acc: 0.9513, Prec: 0.9508, Recall: 0.9576, F1: 0.9527

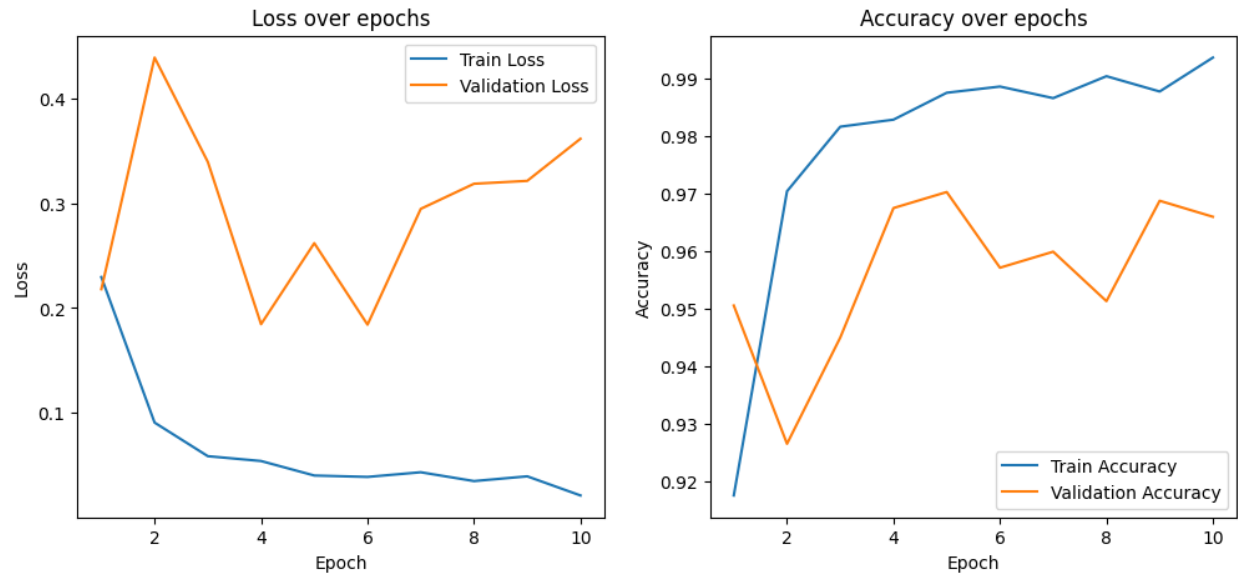
Epoch 9/30:

Train Loss: 0.0394, Train Acc: 0.9876, Prec: 0.9879, Recall: 0.9880, F1: 0.9880

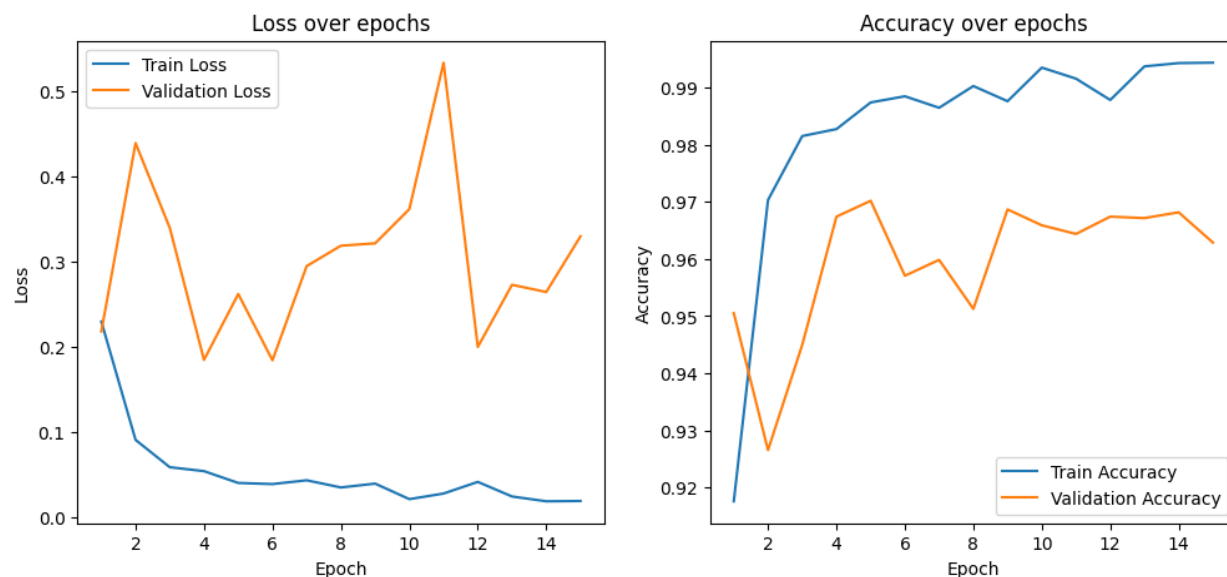
Val Loss: 0.3214, Val Acc: 0.9687, Prec: 0.9678, Recall: 0.9728, F1: 0.9695

Epoch 10/30:

Train Loss: 0.0211, Train Acc: 0.9935, Prec: 0.9934, Recall: 0.9936, F1: 0.9935
Val Loss: 0.3616, Val Acc: 0.9659, Prec: 0.9639, Recall: 0.9695, F1: 0.9661



Epoch 11/30:
Train Loss: 0.0277, Train Acc: 0.9916, Prec: 0.9916, Recall: 0.9918, F1: 0.9917
Val Loss: 0.5335, Val Acc: 0.9644, Prec: 0.9630, Recall: 0.9683, F1: 0.9649
Epoch 12/30:
Train Loss: 0.0414, Train Acc: 0.9879, Prec: 0.9877, Recall: 0.9881, F1: 0.9879
Val Loss: 0.1998, Val Acc: 0.9674, Prec: 0.9657, Recall: 0.9708, F1: 0.9677
Epoch 13/30:
Train Loss: 0.0243, Train Acc: 0.9938, Prec: 0.9939, Recall: 0.9937, F1: 0.9938
Val Loss: 0.2728, Val Acc: 0.9672, Prec: 0.9655, Recall: 0.9705, F1: 0.9675
Epoch 14/30:
Train Loss: 0.0186, Train Acc: 0.9943, Prec: 0.9947, Recall: 0.9946, F1: 0.9946
Val Loss: 0.2643, Val Acc: 0.9682, Prec: 0.9670, Recall: 0.9723, F1: 0.9688
Epoch 15/30:
Train Loss: 0.0190, Train Acc: 0.9944, Prec: 0.9942, Recall: 0.9944, F1: 0.9943
Val Loss: 0.3296, Val Acc: 0.9629, Prec: 0.9622, Recall: 0.9674, F1: 0.9638



Epoch 16/30:

Train Loss: 0.0220, Train Acc: 0.9936, Prec: 0.9937, Recall: 0.9937, F1: 0.9937

Val Loss: 0.3264, Val Acc: 0.9687, Prec: 0.9682, Recall: 0.9723, F1: 0.9694

Epoch 17/30:

Train Loss: 0.0190, Train Acc: 0.9948, Prec: 0.9946, Recall: 0.9947, F1: 0.9947

Val Loss: 0.2375, Val Acc: 0.9659, Prec: 0.9642, Recall: 0.9678, F1: 0.9654

Epoch 18/30:

Train Loss: 0.0189, Train Acc: 0.9951, Prec: 0.9952, Recall: 0.9953, F1: 0.9952

Val Loss: 0.3573, Val Acc: 0.9730, Prec: 0.9712, Recall: 0.9767, F1: 0.9734

Epoch 19/30:

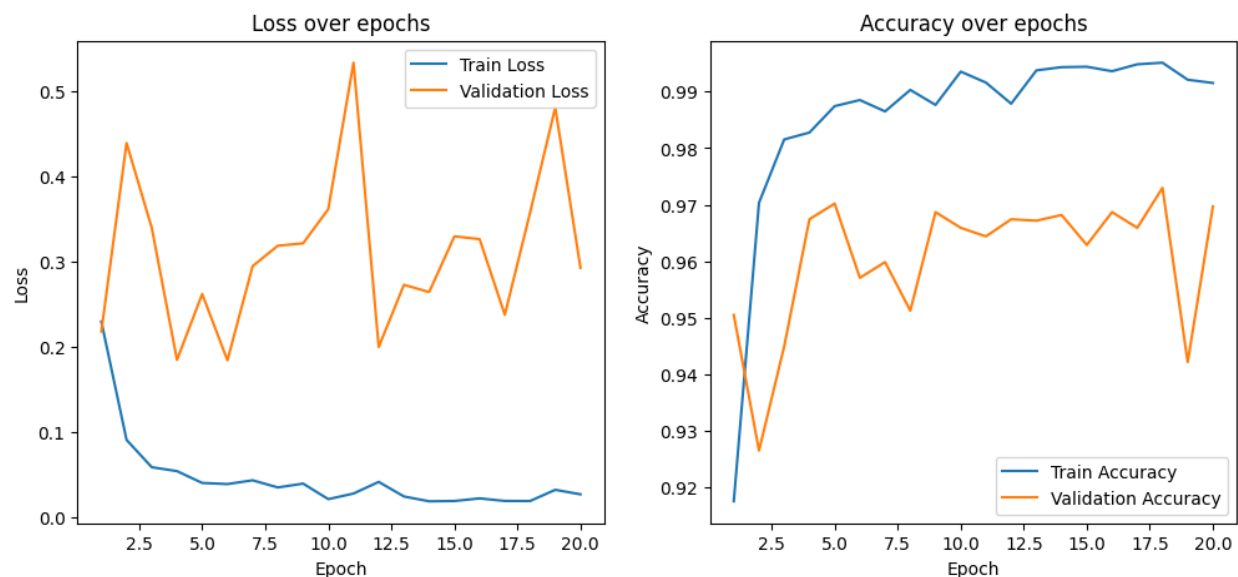
Train Loss: 0.0321, Train Acc: 0.9921, Prec: 0.9922, Recall: 0.9923, F1: 0.9922

Val Loss: 0.4807, Val Acc: 0.9422, Prec: 0.9426, Recall: 0.9454, F1: 0.9423

Epoch 20/30:

Train Loss: 0.0268, Train Acc: 0.9915, Prec: 0.9918, Recall: 0.9917, F1: 0.9918

Val Loss: 0.2928, Val Acc: 0.9697, Prec: 0.9684, Recall: 0.9739, F1: 0.9704



Epoch 21/30:

Train Loss: 0.0124, Train Acc: 0.9962, Prec: 0.9962, Recall: 0.9963, F1: 0.9962

Val Loss: 0.2672, Val Acc: 0.9727, Prec: 0.9715, Recall: 0.9762, F1: 0.9734

Epoch 22/30:

Train Loss: 0.0147, Train Acc: 0.9947, Prec: 0.9948, Recall: 0.9947, F1: 0.9948

Val Loss: 0.4270, Val Acc: 0.9697, Prec: 0.9684, Recall: 0.9733, F1: 0.9702

Epoch 23/30:

Train Loss: 0.0236, Train Acc: 0.9938, Prec: 0.9938, Recall: 0.9936, F1: 0.9937

Val Loss: 0.4158, Val Acc: 0.9566, Prec: 0.9562, Recall: 0.9623, F1: 0.9580

Epoch 24/30:

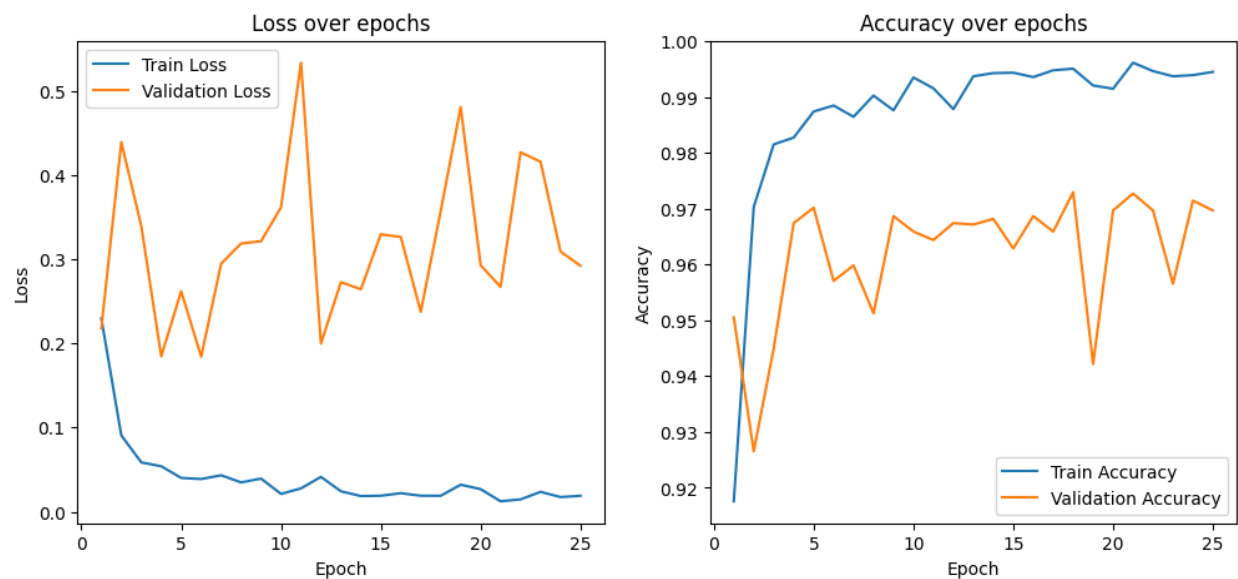
Train Loss: 0.0174, Train Acc: 0.9940, Prec: 0.9942, Recall: 0.9941, F1: 0.9942

Val Loss: 0.3091, Val Acc: 0.9715, Prec: 0.9699, Recall: 0.9748, F1: 0.9719

Epoch 25/30:

Train Loss: 0.0189, Train Acc: 0.9945, Prec: 0.9945, Recall: 0.9945, F1: 0.9945

Val Loss: 0.2923, Val Acc: 0.9697, Prec: 0.9688, Recall: 0.9734, F1: 0.9705



Epoch 26/30:

Train Loss: 0.0140, Train Acc: 0.9955, Prec: 0.9957, Recall: 0.9958, F1: 0.9957

Val Loss: 0.3230, Val Acc: 0.9695, Prec: 0.9678, Recall: 0.9734, F1: 0.9700

Epoch 27/30:

Train Loss: 0.0081, Train Acc: 0.9973, Prec: 0.9975, Recall: 0.9975, F1: 0.9975

Val Loss: 0.3930, Val Acc: 0.9697, Prec: 0.9684, Recall: 0.9739, F1: 0.9704

Epoch 28/30:

Train Loss: 0.0079, Train Acc: 0.9976, Prec: 0.9976, Recall: 0.9974, F1: 0.9975

Val Loss: 0.3221, Val Acc: 0.9720, Prec: 0.9705, Recall: 0.9750, F1: 0.9723

Epoch 29/30:

Train Loss: 0.0107, Train Acc: 0.9971, Prec: 0.9971, Recall: 0.9970, F1: 0.9971

Val Loss: 0.3521, Val Acc: 0.9677, Prec: 0.9665, Recall: 0.9714, F1: 0.9683

Epoch 30/30:

Train Loss: 0.0408, Train Acc: 0.9926, Prec: 0.9927, Recall: 0.9926, F1: 0.9926

Val Loss: 0.3886, Val Acc: 0.9578, Prec: 0.9597, Recall: 0.9625, F1: 0.9594