Comparison Between training from randomly initialized network and training on weights of datasets of first task
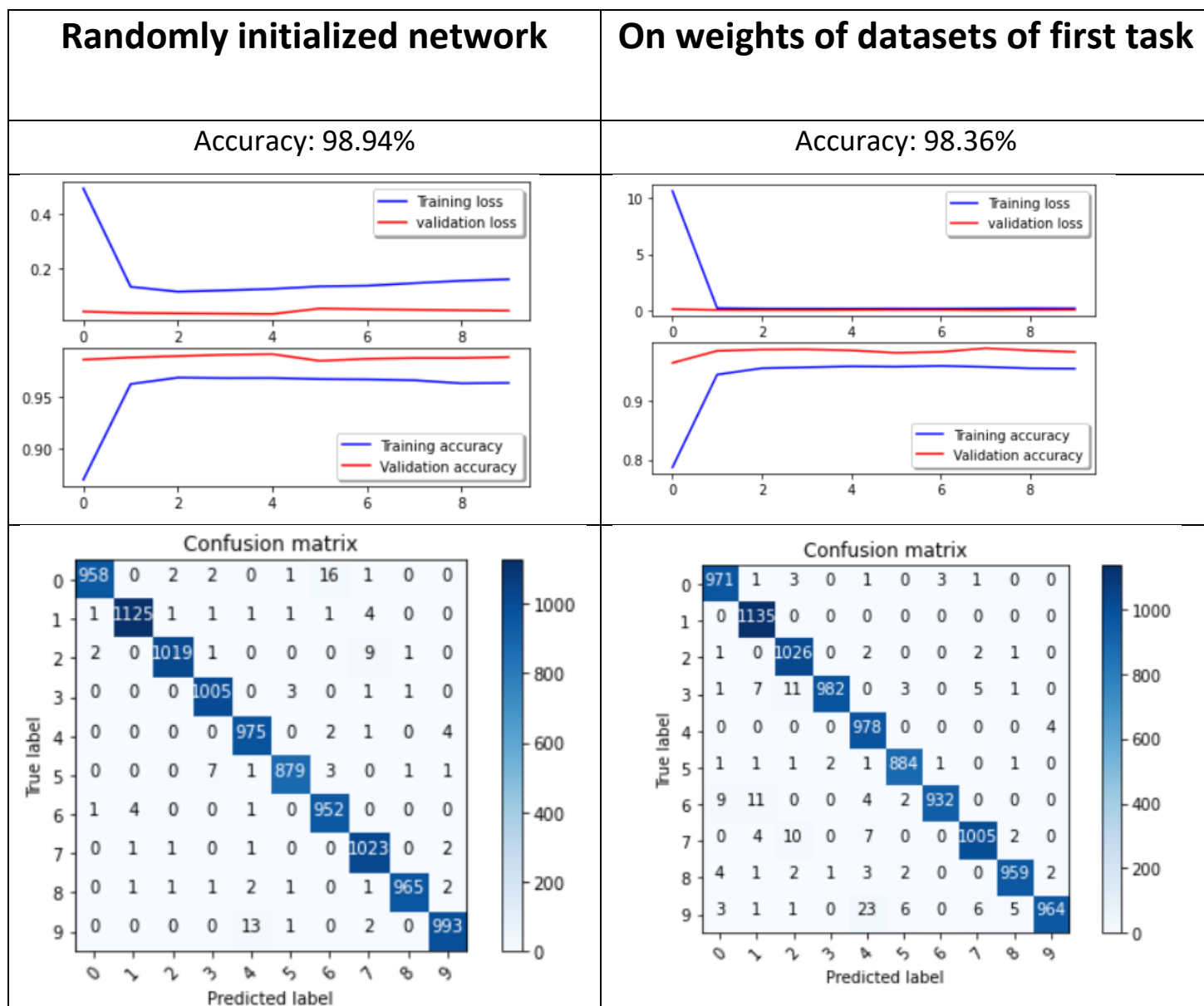
Randomly initialized network	On weights of datasets of first task
Accuracy: 98.94%	Accuracy: 98.36%

Here we can see that both of these have given almost the same accuracy, this is because the MNIST Dataset has around 60,000 images in training set, whereas our data just had 36 images. So, when we trained our model on a dataset of 60k images, it automatically redefined the weights to it, and the first 36 images did not matter much.

Both the algorithms converged at the 1st epoch itself.

From the confusion matrix we can also calculate various other metrics such as accuracy, precision, recall, F1-score, ROC, AUC, etc