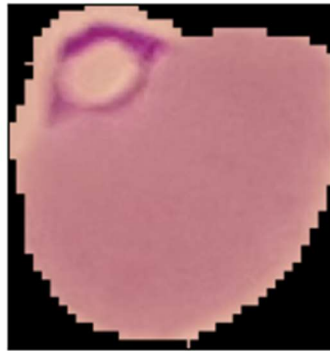


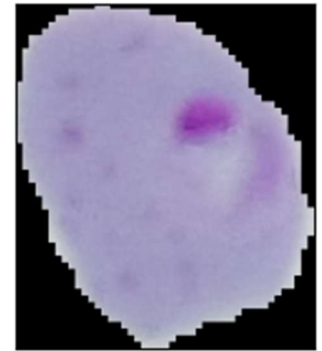
Visualized image cells from the raw dataset



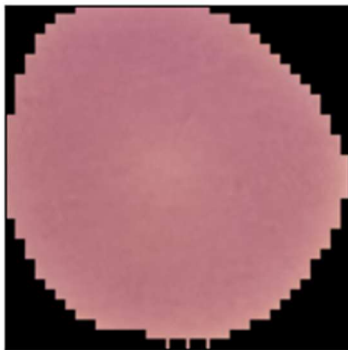
uninfected (1)



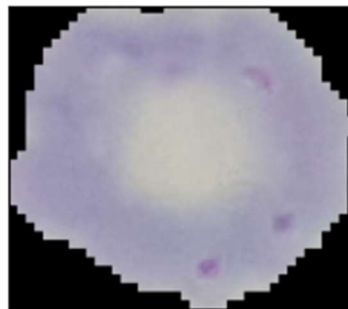
parasitized (0)



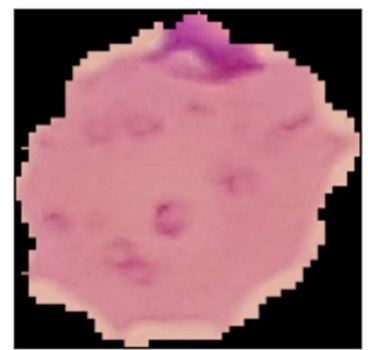
parasitized (0)



uninfected (1)



uninfected (1)



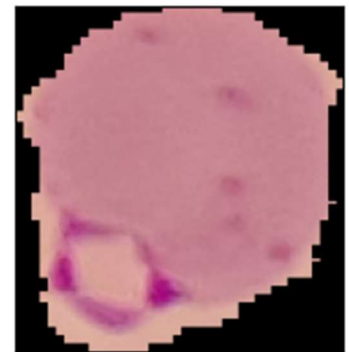
parasitized (0)



uninfected (1)

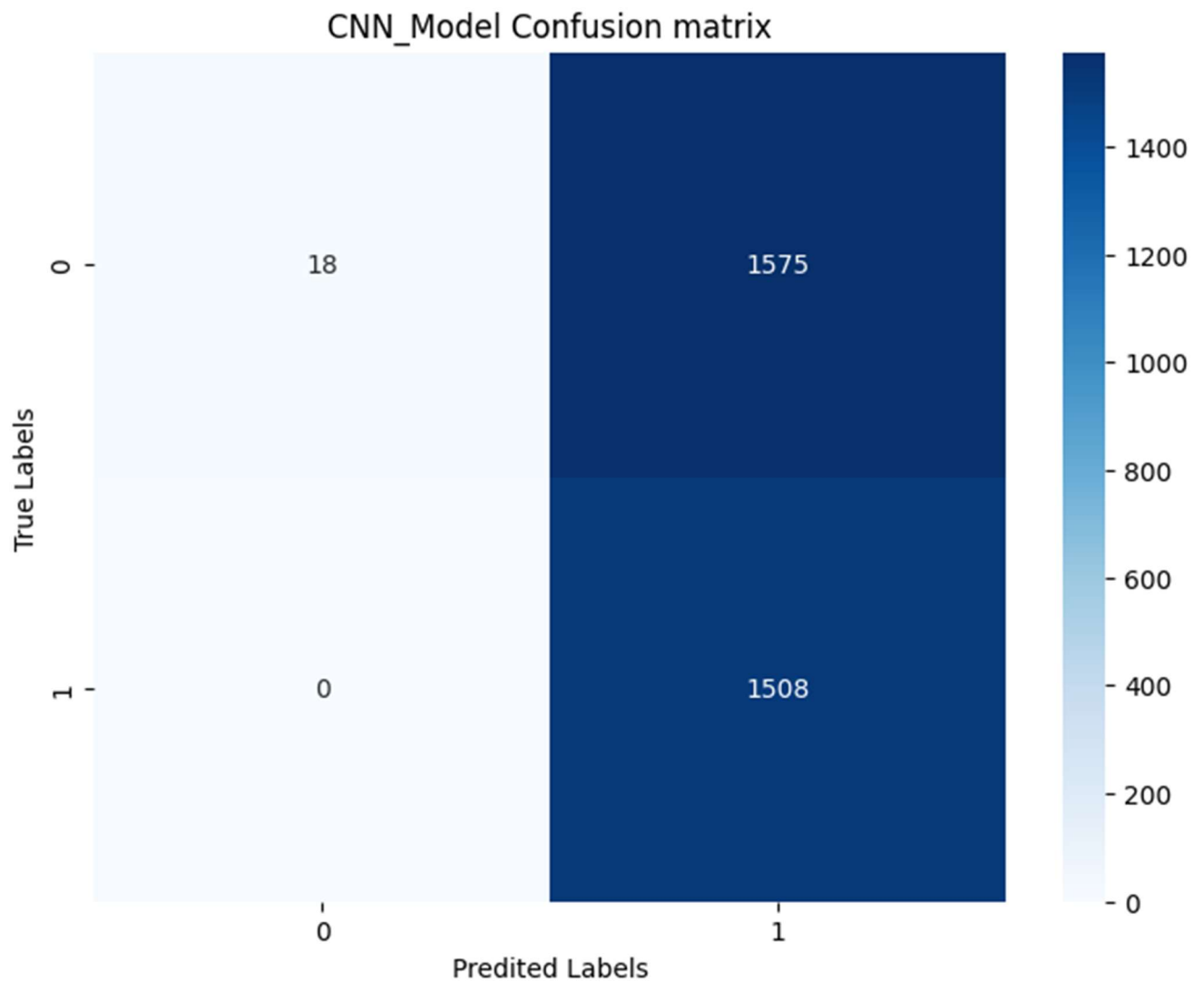


uninfected (1)



parasitized (0)

CNN model Version 1 confusion matrix (accuracy = 49.21%)



As seen, the accuracy and prediction are not very accurate. The images below sampled from 50 images will attest that the model did not work correctly and did have an overfitting problem. The output of the model is seen below:

Conclusion: Out of 50 samples, 27 of them were incorrectly predicted. Therefore there was need to retrain the model with different parameters.

true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 0 : pred [False]



true 0 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 0 : pred [True]



true 1 : pred [True]



true 0 : pred [True]



true 1 : pred [True]

