

Bonus Task Report

How I Trained My Model and Its Performance on Generated Signatures?

Initially, I read the information from the CSV file, which took me 2-3 hours to fully understand how the images were stored.

Upon opening the CSV file, I observed that it contained image URLs and their corresponding file names and authors. I discovered and learned how to download images from URLs and applied a solution to download them successfully.

Next, I applied Neural Style Transfer (NST) to the original signatures transforming them by applying artistic styles from different images. This perfectly created stylized versions of the signatures.

The primary goal of the task was to use NST to transform the images and then pass the transformed images to a model that would give a prediction on whether a signature is authentic or forged. Although I was able to use NST to transform the signatures into stylized signatures, I have not yet completed the last step—training and testing the model to classify. Once done, the model will be capable of examining any given signature and establishing whether it is authentic or fake.