Image Classification & Job Automation

With funds running low at the end of your 2nd year at the University of Virginia you find yourself considering getting a job. Because of your hectic schedule you refine your search to only include jobs around the University of Virginia. After countless applications, you finally hear back from one organization!

You have just landed a job working at the Fralin Art Museum! The only issue is your job duties include managing their digital archive of artwork. As new pieces come in, they would like you to manually assign the piece meta data in their databases. One component of this workflow includes labeling whether a new piece is either a *'painting'* or a *'drawing'*. Because you are a busy student and not super good at identifying art, you begin to wonder, "Can I automate this process?"

You recall previously hearing about machine learning models that can classify images. After some research you also identify a lot of artwork data through the Metropolitan Museum of Art in New York that you think might help you make this model.

The following case study will walk you through the process of making this model. The resulting deliverables will be used to showcase your work. If successful, you will be able to partially automate your job leaving you with far more free time to enjoy the rest of college!

To Explore the Project Further and Consult the Rubric access the Repository here: https://github.com/Ethan-code-1/DS4002-CS3