# The Image Cartoonifier
# SoC Report

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## Mentors

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## Introduction

This project aims to develop a system capable of converting any given image into a cartoon representation. It employs the use of convolutional neural networks to train a model that gets the work done.

## Resources and Things Learned

The initial weeks' resourses contain Python documentations and material for machine learning algorithms like linear regression, classification and logistic regression. The next few weeks' span the contents like deep learning, improving deep neural networks and convolutional neural networks. This material served a solid foundation for understanding the implementation side of the project. At last there's a paper titled "A Neural Algorithm of Artistic Style", which has to be implemented as this is the core objective of this project.

## Further Work

In this and the next week, the final work is to implement the paper and complete the project.