Computer Vision Internship

Week 2 Report

We applied filters to modify pixel value based on their neighbors. This enabled us to perform operations like blurring and edge detection.

We used 3 different types of filters, namely the Gaussian Filter, Median Filter, and their Bilateral Filter. Each filter has its own pros and cons.

We learnt to detect edges using the canny edge detector from the opencv library.

Lastly, I wrote an application that captures a picture from the webcam and converts it from video to a sketch format.