Edge Detection Mode

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Let me explain the code of the model.

1. First, I imported the necessary libraries.
2. Then I conveted the image to grayscale, normalized the image,smoothened the image using gaussian filter.
3. Then I defined the sobel kernals in x and y directions convolved them and found out the net value of the gradient.
4. Then I suppressed the weak edges with thresholding.
5. Still the image contained some white pixelated noise so I removed it.
6. Finally, I used morphological cleanup for filling up the gaps in the image outline.

Here are some of the output images.



