**After discussing with my mentor in our last meeting, I decided to use the following project as my capstone project:**

1. **Computer Vision:**

**Face Mask Detection:**

In order to control COVID-19 pandemic it is really important in today’s world to come up with effective real-time face mask detectors so that public places such as airports, shopping malls, metros, and others can use this technology to solve monitoring issues. I will be using Convolution Neural Network with OpenCV, keras and tensorflow in order to build this ML model and use it to detect face masks from images as well as real-time video streams.

**Datasets:**

Here are the links to three datasets that I will be using in this project:

Dataset1 From Edureka(Medical mask):

Total files count: with mask (481) and without mask(480)

<https://drive.google.com/drive/folders/1EKZVZlK5YtMnXWYE6YGHG_XtJt_7avk0>

Dataset 2 (from TheSSJ2612: github account) (combinations of medical and non medical)

Total files count: with mask (5521) and without mask(5521)

<https://github.com/TheSSJ2612/Real-Time-Medical-Mask-Detection/releases>

Dataset 3: Kaggle dataset provided by Sriraj chauhan(medical and non medical mask):

Total files count : with mask (500) and without mask(256)

<https://www.kaggle.com/shrirajchauhan/face-mask-detection-medical-and-nonmedical-masks>