

The final product will be a system that will try an emoji portal of the human face according to their facial emotions. It will be mainly for live streaming, advertisement, and face timing. So if they enable the system there will be emojis on display instead of their faces.

As many people don't feel confident and comfortable in front of people on the camera while live streaming or face timing, so they just turn off their cameras. But the views or the person on the other end don't feel good about as it decreases their interest as they can't see anything. So for them, we are trying to design this system. Using this system they will be able to keep their camera on but their face won't be directly displayed to the views or the other person. Instead of their face, there will be an emoji which will be continuously changed according to their facial expressions. So the views or the other person won't be uninterested in talking or seeing them.

I think this project will be mainly based on a convolution neural network (CNN) and computer vision. Along with that, we also might need to include some machine learning algorithms and data analysis. So for my part of the contribution to the project, I am willing to work on the computer vision and machine learning algorithms related parts.

For the project, I will have to learn about computer vision, machine learning algorithms, and maybe many new things as well. So I think it will take an estimated 40-45 hours to complete my learning part and around 25-30 hours to complete the project.