<p style="text-align:center"><u>**Interview Assessment #2**</u></p>

Name of Professional: Sehul Viras

Profession/Title: Artificial Intelligence Lead

Business/Company name: TPS Healthcare (TurningPoint Healthcare)

Date of Interview: 10/14/2021

Assessment:

In last week's interview, I learned a lot about startups. While this was really helpful and is knowledge that I'll definitely use in the future, I hoped to gain a little more technical knowledge that I could apply more closely to my research and original work. Fortunately, I was able to gain some of this knowledge through this interview.

Since Mr. Viras worked primarily with artificial intelligence and computer vision, I was able to discuss the technical aspects of his job a little more. His knowledge about convolutional neural networks, or CNNs, helped me understand that it may be beneficial for me to use a CNN in any computer vision projects that I may end up doing. This is because CNNs are really good at analyzing images while keeping track of x, y and color components. This makes them very useful for looking at pictures and video, which is the basis of computer vision. I may also want to use a K-nearest neighbor algorithm to help analyze the information that I am able to pull out from an image. This is because they are simple to use and can help classify data to make it much more manageable. As I learned through the interview, breaking down data into chunks can be an important step because it allows for the processor to have less variables to deal with, thereby decreasing memory used and processing time.

I also learned that doing projects is going to be one of the most beneficial tasks for me to help me understand the concepts that I am researching about. Mr. Viras helped me understand that even if they are simplistic, these projects can give me a hands-on approach to these concepts, allowing me to understand how they work in real life and not just in theory. Using some of the courses that he suggested and various books that I have found online, I will be able

to gain more knowledge and be walked-through some of these projects. As a result, it will be easier for me to create something of my own once the time comes to work on my final project. This could also be useful in my original work, since I can do some of these projects using different algorithms to understand which ones work best.

However, I will need to be careful about the task that I choose for this. This is because one of the key takeaways that I got from this interview was that the algorithm that is best often depends on the use-case. As a result, I have to pick a generic enough task that can be applicable to all of them and make sure the parameters that I am evaluating them by are as tangible and applicable as possible.

Another key takeaway that I had from this interview was that purpose is incredibly important. Of course, I knew this before, but this fact was truly reiterated for me today. Especially in smaller companies (like TPS Healthcare), employees often have to wear different hats even if their job title may not be exactly the same. As a result, they need to make sure that they have a strong reason for doing their work and understand that their work matters, since this can be very stressful and draining in the long run.

Overall, I was able to gain a lot of insight and technical knowledge from this interview that will help guide me in my future endeavors, both in ISM and in the professional world.