8122 Red Water Rd

Charlotte, NC 28277

August 23, 2020

Fort Detrick

United States Air Force

1425 Porter St, Frederick, MD 21702

To the Fort Detrick Principal Assistant for Research and Technology:

I hope you and your friends/family are safe in these difficult times. In search of effective and impactful service to my country, I came across your listing of a Biomedical Engineer for the United States Air Force at Fort Detrick on the GoCleared website. I am particularly interested in this position and am confident that I will be able to not only fulfill my role within the Air Force but also aid in the leading of initiatives that aim to develop long-term and/or systematic change in the way that Airmen are medically treated.

As the job entails the planning and testing of new medical technologies for the United States Air Force, I see my education and my previous experience to useful for this job. Not only do I have a background in Mechanical Engineering (which would allow me to analyze the medical technologies from a system/machine point of view), I also have been educated in medicine, which would provide an invaluable perspective as to how best to take care of our Airmen. Additionally, with my work experience in professional research labs, I am proficient in statistical analyses for the testing of new technologies and have presented my research at symposiums. My education and my work experience allow me to both perform the job at a high level and also communicate my findings effectively – leading to meaningful results.

Ever so important in medicine today is adapting to and using the technology that is constantly being created. I personally embrace this idea and thus ensure that I keep up with the latest medical technology by immersing myself in it. An example would be my learning of the development of neural networks for a variety of tasks that include natural language processing, time series forecasting, and image recognition models. In the attached résumé, I have listed a variety of these new technology-based skills I have developed. Working in your capacity, I see my skills in technology, dedication to my country, and passion for better medical service to shine and grow. Should you find me a good fit for this position, please call me at (704)-804-4632 to arrange an interview at your earliest convenience.

Sincerely,

Akash Karri