**Conclusion**

In this class, I gained an in-depth understanding of computer vision fundamentals and advanced topics such as image processing, feature extraction, and neural networks. I learned practical skills developed through assignments and projects using tools like OpenCV, TensorFlow, and PyTorch. I implemented and optimized various computer vision models, including CNNs and object detection algorithms. I improved model accuracy and performance through iterative testing and parameter tuning. I explored applications in healthcare, autonomous systems, surveillance, and more. I enhanced problem-solving abilities and technical proficiency in computer vision and fostered a deeper appreciation for the complexities and potentials of computer vision technology. In the future, I am prepared to tackle complex computer vision challenges and contribute to innovative projects in the field. I am interested in further pursing reinforcement learning for vision tasks and real time video analysis and seeing how it can be applied to real world applications. I am also interested in furthering my experience and knowledge with autonomous systems for computer vision as there are a lot of relevant ongoing challenges that companies are trying to solve with this.