Electrical and Computer Engineering is at the heart of the most current technological breakthroughs. Any device with energy or IT component is derived from ECE knowledge. Right from providing accurate medical diagnoses at a distance to exploring distant planets, ECE plays a crucial role. The intelligent systems matches my criteria as I have hands on experience on computer vision and machine learning, but what I understood is that I have learnt is just a few drops in an enormous ocean of knowledge, My decision to pursue Master’s is a natural consequence of my desire to gain as much knowledge as possible in my field of interest and help myself to be able to achieve and put my wildest dream to life.

My final year project titled ‘Intelligent Driver Assistance’ was to ensure assistance to the vehicle drivers. It addressed three cases of real time traffic scenario. The focus of the project was to help the drivers to know the traffic sign in a particular zone through voice and image assistance. And to have automatic speed control/limiting mechanism based on the speed limit in a zone. And the Last issue addressed was the overtaking assistance to the driver based on real time inter vehicle distance, speed and on road situation.

In order to garner real life experience, I joined Adisys(R&D)Private Limited and worked on Real-Time Object Detection with Deep Learning (October 2017–March 2018). As a part of an8-membered team, we had to train our own model of faster RCNN for detecting the vehicles and calculating the density on the road, adjust the timer to change the traffic signal accordingly, thereby mitigating the traffic woes. It was through this project that I learned how deep-learning works from end-to-end. I also wrote algorithms to prepare the system so that it can detect the objects in the ROI. This project was one of the key elements of the Karnataka Government Pilot project, and is currently under consideration.

Moving forward, I joined SASKEN Technologies Private Limited in mmyy which provides Product Engineering and Digital Transformation Services. As the Full Stack Developer I am currently working on a video app using vidyo api, where more than 16 people will be conversing using a skype-like platform. While working on these, I was motivated to learn more technologies and work on similar such innovative digital products. Having always cherished a dream to complete my graduate program, I feel that this is the right time for my higher studies. Hence, I am applying for the MS course at your esteemed university.

Post MS, I want to work as an in companies like Google, Microsoft, and work on the technology like ‘Computer Vision’. In the long term, I want to become an entrepreneur and invent AI enabled products.

The UC Riverside offers a comprehensive course as well as the subjects such as …………………………………….Motivated by Prof. Hyoseung Kim’s publication’……………………………………..’, I look forward to work under him. I am also interested to work under Prof. Bir Bhanu as his publication ‘……………………….’ is intriguing. If given a chance, I want to play for the Riverside Men’s Soccer team.

Hence, I aver that my talent will be utilized to its optimal best if I have an opportunity to be a part of the intellectually stimulating environment of your university.