Electrical and Computer Engineering is the heart of the most current technological breakthroughs.

Right from providing accurate medical diagnoses to exploring distant planets, ECE plays a crucial role. Since childhood, I always had the urge to know what the science was behind the robotic toys and gadgets and how they worked. The mysteries amazed me and my romance with technology grew stronger day by day. My strong inclination towards Mathematics and Science made me choose engineering. I pursued BE from Government SKSJTI, where I consistently maintained a First Class with Distinction in almost all the semesters.

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. They were to help the drivers to know the traffic sign in a particular zone through voice and image assistance, 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)Pvt. Ltd. in 08/2017 and worked on Real-Time Object Detection with Deep Learning (October 2017–March 2018).In this, we had to train our own model of faster RCNN for detecting the vehicles and calculating the density on the road, and adjust the timer to change the traffic signal accordingly, thereby mitigating the traffic woes.

Moving forward, I joined SASKEN Technologies Pvt. Ltd. in 07/2018 as a Full Stack Developer. I am currently working on a video conference application using vidyo api, where more than 16 people will be conversing using a skype-like platform and also making sure that video quality is not deprived. 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 in R&D’s in organization’s of international repute .This will help me apply the knowledge I have accrued and will gives me a much more globalised perspective. In the long term, I want to become an entrepreneur and work on my dreams that sound impossible.

The UC Riverside offers a comprehensive courses such as Robotics and Computer Vision and Embedded Real-Time System .Motivated by Prof. Hyoseung Kim’s publication on ‘Memory Reservation and Shared Page Management for Real-Time Systems’, I look forward to work under him. I am also interested to work under Prof. Bir Bhanu as his publication on ‘Boosting face recognition in real-world surveillance videos’ is intriguing.

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.