**STATEMENT OF Purpose**

In mmyy, I pursued Bachelors of Engineering with a specialization in Electronics and Communication Engineering from Government Sri Krishnarajendra Silver Jubilee Technological Institute (GSKSJTI), Bengaluru, and studied subjects such as Analog Electronics, Microprocessors, Digital Systems Design, Digital Signal Processing, VLSI, Analog and Digital Communication and Antenna. I consistently maintained a First Class with Distinction in almost all the semesters.

In October 2017, I also tried hands on the project titled ‘Image Detection and Alerting’. Having taken the picture of a moulding machine, I enhanced its pictures using …..and observed a number of disturbances. The following step was to remove the unnecessary noise in the image and process these to check if any material was stuck in the machine. Thereby having identified the problem, it was easier to detect and communicate the actual issue to the management and thereby, arranging a fix. All these were done in realtime using video streaming protocols.

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 ofan8-membered team, we had to train our own model Aster RCNN for detecting the vehicle 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 systemso 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 mmyywhich 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.