STATEMENT OF PURPOSE

NAME: Vikas Reddy Yadavelli

APPLYING FOR: Masters of science in Computer Science

I believe that advent of Computer Science has revolutionized the world. The advancement in the field of Computer Science has changed the way we solve problems, communicate, entertain, and educate. The urge to be a part of this revolution made me work in this field. My present ambition is to pursue advanced studies in my area of interest. The decision to seek a graduate degree in USA was a result of my search for a broader, more flexible, more interactive and challenging education than that offered in India.

I had my schooling in St Alphonses high school, one of the finest schools in my Town. It was the place where my roots for career got established. Qualities like discipline and focus are inculcated in me. I completed my high school with 8.8GPA. during my +2, I recognised that I am good at problem solving and have good analytical skills. I opted for Mathematics, Physics, Chemistry in my +2 in Sri Chaitanya Junior Kalasala and completed it with 89.8%. I was privileged to be chosen to pursue undergraduate education at Kommuri Pratap Reddy Institute of Technology affiliated college of Jawaharlal Nehru Technological University Hyderabad, which is one of the most reputed university in my country and completed it with 59.4% in Electronics and Communication Engineering.

Though my primary focus is on academics and the curriculum, I have not limited myself to just classwork. I have participated in many workshops conducted both in college and outside the college. I was one of the organizers of **KURUSHETRA 2K19**, A student's organisation group. I have done internship at ATI-EPI Hyderabad, where the design of my project evolved and developed. Most of my projects and extra-curricular activities involved team effort and I have learnt the art and value of working in teams.

The undergraduate program turned out to be comprehensive and gave me a broader perspective of theoretical as well as practical aspects of the subjects. Though my undergraduate program involves Electronics and Communication but my university curriculum includes C, C++, Java, Data base management systems. Also, my undergraduate program involves working on various software applications such as MATLAB programming, KEIL software, Arduino IDE made me realize that I am good at programming. The undergraduate program helped to emerge myself as a very good problem solver. I built significant programming skills from developing a calculator as a beginner to an 'Online Student Portal' while some of my classmates were still struggling with the pointers.

PROJECTS:

I have done my undergraduate major project named 'AUTOMATED RAILWAY PLATFORM USING ARDUINO IDE'. The main object of this project is to make automated platform for pedestrian to cross form one platform to other without using a staircase and announce the status to the platform users. The detection of train arrival and departure is recognised by using IR sensors and status is given to users with the help of buzzers. A program is designed to make synchronise both the sensors to the Arduino. Software used for this design is Arduino IDE.

I have done my mini project on 'HOME AUTOMATION USING BLUETOOTH'. It is used for saving power consumption smartly. Where a micro controller is used to control over all the appliances which are connected and a Bluetooth is used as a switch for both turning on/off the appliances.

The field of computer science encompasses several disciplines in which world-class research and spectacular progress has been at a brisk space. I would like to be a cog albeit small but significant in this wheel of technical evolution and with this goal of making original contribution to the field of computer science. I find the challenge of tackling real-life problems and solving them using various quantitative and analytic techniques very satisfying and stimulating.

It is my aspiration to be placed as a software developer in MNC like Facebook, Google, HCL. The line after 10-15 years, my ultimate goal in my career is to make a commendable contribution to the computing world either by starting an innovative venture which would change the dimensions of future computing and way we perceive the computers. Now I have determined that a dedicated study on computer science will enable me to aggregate all my previous knowledge on the field and encourage in achieving my career goal.

I am very much interested to do masters in computer science in your esteemed university. My ambition to come to the USA for the MS program doesn't arise a result of death of resources in India, but lack of technical know-how to exploit these resources. An international master's degree from a reputed American university not only fulfil my interests but also gives an edge over my peers back in my country. To widen my perspective of subject knowledge and also to put my talent to rigorous testing. I feel it is the best opportunity and the right time to approach US through a university as esteemed as yours.

The reason why I want to study at your esteemed university is that it provides the kind of expose needed to broaden my thinking and in do any insular prejudices that might be still prevalent in me. Your college is a confluence of people from every nationality, religion and race. Overall development of the personality can be done and it helps me to broaden my concept from the narrower confines of nationalism to internationalism.

I have strong desire to learn the new concepts and self-reliance to face challenges put forth under any circumstances. And moreover, I strongly believe that a master's degree from your university will be a deciding factor in shaping my future. I shall be elated if an opportunity is given to me to pursue my masters at your university. And finally, I am confident that the

technical knowledge that I procure in the United States of America will help me in playing a constructive role in the progress of mankind.

(VIKAS REDDY YADAVELLI)