

Statement of Purpose

I wish to apply for MASTERS in [REDACTED] at [REDACTED], for Spring 2013 session. I have always been curious about learning new things and that made me spend long hours trying to unearth the mechanism behind simple gadgets which grew with my age and experience. Getting a top 100 state rank in the J.V RAO Talent Search Examination in 6th grade (2006) and my consistent high scores in science and mathematics have been a great motivation for me to go for the Science stream in high school. I secured 87% marks in my tenth standard. I got an aggregate of 86% in my twelfth standard. The desire to know what lies beneath the fascinating electronic gadgets made me opt for Electronics and Communication Engineering as my undergraduate major at [REDACTED].

My work started with 'An Intuitive Library Management System' using C++ in high school. Then I worked as a team leader on 'A novel door locking system' with the ability to avoid obstacles, fetching me the 2nd place in a project's Competition at techno vikas, 2009, a national level technical fest. This was my first team project and being a team leader, it gave me confidence that I could work in sync with everyone and bring the best out of my team. My keen interest in the field of Wireless Networking led me to a win in 'Net Warriors', a networking based quiz in Techno Vikas, 2010. It was a challenge to implement the concepts of microcontroller programming learnt in class and interfacing hardware like steppers motors and IR sensors. Conducting the workshop for freshman year students has given me the belief to succeed as a TA.

Working on papers has helped me develop my research skills. I have worked on and co-authored 'Self Powering Mobile Devices Using Piezoelectric Crystals' and 'Improving Energy Efficiency in Buildings – A Case Study' for Schneider Electric Innovative challenge, '09 and '10. This made me think beyond classroom curriculum and about complex ideas, thus preparing me for graduate studies. I am refining the papers and plan to submit them for review shortly.

Interning in the BHARAT HEAVY ELECTRONICS LIMITED (BHEL), I learnt about the practical aspects of various communication systems used and development of various machines establishment, gaining hands on experience in configuring different kinds of networks and working on VLAN and IPV6. The internships gave me an insight into the application of theoretical ideas and how things learnt in class are making an impact in the industry.

Experiences and lessons learnt from my previous projects helped me to design the circuitry and hardware setup. As a team leader and a part of electronics group, designing the circuit supplies for the other teams was my responsibility, which was a big boost to my confidence. Control systems gave me an insight into core electronic engineering as I understood the various power conversion techniques and transformer design methodologies. As the final project, I designed and fabricated "an implementation of UART using VHDL" brushing up my XILINX skills in the process.

CAREER OBJECTIVES AND GOALS

My objective is to put forward a diligent endeavor and conquer the heights of the chosen field of Electronics hence contributing to the research already commencing in exploring the depths of this highly challenging field.

It is my strong belief that Graduate Study is indispensable for acquiring a deep understanding and insight into the subject. I feel that my undergraduate curriculum has given me sufficient exposure to various possibilities for Master's program. Graduate study will not only provide me advanced knowledge about the field but also prepare me to be a good Electronics Engineer.

Deep in my heart, I feel this inordinate urge to do whatever possible within my reach for the less fortunate would take me forward in achieving my goals. Integrity, both in thought and action has meant everything to me. My strong set of value has helped me grow into a responsible citizen with a keen sense of duty. It has also furthered my thirst for newer horizon. This course is one of them. It's a pathway to newer grounds, pivotal to both my professional and personal agenda.

One of the other sources of learning has been my perpetual itch to travel. It has always been my endeavor to align my personal goals with my professional ones as the same principles and value guide both. I believe both have a significant role in allowing me to experience live its myriad hues. Therefore, I do try and contribute to my environment in relation to whatever I absorb from it and I would try to increase this Commitment exponentially.

ACADEMIC ACHIEVEMENTS

- I stood among top 5% in the whole state in my secondary education.(Number of students appeared for the examination were approximately 10 Lakhs)
- I was ranked among top 10% in my higher secondary education i.e., at my Intermediate level in the whole state.
- My position in the state wide competitive examination was among top 1% of about 1,75,000 students .
- Received second prize in elocution and drawing held at school level.

OTHER ACHIEVEMENTS

My alacrity and zeal are not confined to the academic curriculum. As a school boy I always took the opportunity to participate in extracurricular activities whenever it presented itself in my way. I had also enjoyed the privilege of being the sports event manager and also one of the top players in my district at my school level also at the college level. This helped me nurture organizational and inter personal skills. This tempo I carried along with me for the rest of my student life. I had also been a part of all the college fetes and youth festivals as a volunteer.

I strongly believe that I possess the basic aptitude, discipline and perseverance to sustain the motivation and drive needed for a Master's degree. It is with my conviction that through sheer diligence and application, I have the capability to make a positive contribution to your university.

One final honest to goodness thought I have to admit in conclusion, I feel I would like to give back society all valuable and technical skills that I will be gaining from your university. Although I do have adequate funding to get through my graduation study any form of financial support would definitely booster my motivation and ease the burden off the shoulders of my parents.

Hence, I am eagerly looking forward to a favorable decision regarding my application from your university.