

Statement of Purpose

As is often the case, the genesis of my interest in computers lies since my childhood when I was enticed by the power and functioning of computers, a fascination that matured into a passion later on. As a logical conclusion, I decided to opt for engineering after senior secondary school and chose Computer Engineering, in particular as a major for my undergraduate course and was amazed by the surfeit of applications of computers.

I consider education as akin to pious devotion, and at a very young age I developed a love and respect for knowledge that has been the bedrock of my life till date. My parents have strong influence over me since my childhood. My mother is an artist and my father is an engineer. They have always encouraged me to pursue my dreams and to work to the best of my abilities. Eventually I have inherited the best qualities of both of them. As a result, my interest in art and technology lies since a very young age. As long as I can remember, I have had an inclination for both fields and believed that I would, in due course, pick between the two as my ultimate passion. Since my formative years I have always scored superior grades in subjects related to arts and computers. I have been a tough competition for my fellow mates. Both of these interests remained practically unchanged through my college also.

My ambition of pursuing a Master in Human Computer Interaction stems largely from a desire to pull design and computer science together in a more mellifluous fashion. As I progressed through my undergraduate course, I realized that there could be various ways in which I could amalgamate my creative and technological skills to enhance my career. My research for such master's programs led me to Human Computer Interaction program.

During my undergraduate program, I was amongst top ranked students in the class which is a fact I can certainly be proud of, as a few of my counterparts have earned this achievement. This helped me to be several cuts above the ordinary. My undergraduate course ultimately took me a step nearer towards accomplishment of my objective to delve deeper into the field of Human Computer Interaction.

As a part of my undergraduate curriculum necessities, I carried out the final year project named "3D Virtual Store programmed in Java using the Java3D API and the Nintendo-Wii technology" with few other colleagues. What inspired me to work on this project was the interactivity between the human and the shopping system. It was completely different and innovative compared to other kind of interactions available for virtual shopping. We, all the group members worked tenaciously with all our fervor to come up with the best project of our college. Moreover our project was nominated out of 72 best projects of the state for Dewang Mehta IT awards 2014 organized by "Dewang Mehta Foundation Trust" in the name of late Dewang Mehta, first President of NASSCOM and a trailblazer of the Indian IT-BPO industry. We were awarded with the certificate by the CEO of Microsoft, India. This project enriched my know-how of how to carry out a detailed research. I discovered various potentials of Java language I never knew, I was exposed to 3D graphics, its rendering and

various techniques and most importantly I experienced the importance of team work and team spirit.

I along with few other friends carried out a research work and delivered a seminar individually on Racetrack Memory in my penultimate year of engineering. Racetrack memory is an experimental non-volatile memory device under development at IBM's Almaden Research Center by a team led by Stuart Parkin. I also had an email conversation with Stuart Parkin and was overwhelmed by the information and support he provided me with. I was able to get an in-depth knowledge of the new research and its execution. My categorical efforts aided me to score AA grade in this seminar. This created the base of my research capabilities and enhanced my presentation and communication skills.

I strongly believe that theoretical knowledge alone is hardly of any value if it does not blend with practical facts. This perception helped me enormously when I represented my institution at inter-college website designing, paper presentations, poster presentations and technical competitions on subjects like Sixth-sense technology, Cloud Computing, Racetrack Memory etc and won many prizes at zonal level and state level as a mark of my aptitude and technical acumen. I have also attended a workshop on Ethical Hacking organized by IIT-Delhi, India. This workshop helped me understand the computer security and how to employ it at fundamental level.

My fortes lie in my leadership abilities, interest towards new challenges and aptitude to work hard in my academics or otherwise. I demonstrated my team leading capabilities on many occasions during various workshops, seminars, projects, cultural activities or events in my college. I had been the main coordinator for our college magazine and website design for first two years which rigorously transformed me into a self-motivated and an effective team leader.

Besides possessing a strong academic background, I have always taken part in as many co-curricular and extra-curricular activities as I could since my school days. I also won the first prize in painting competition organized by our state university at the university technical festival. I love to travel, visit new places, learn about new people and new cultures and their ways of living. I achieved the summit of Roopkund (16,000 ft altitude) Himalayan trek in Uttarakhand, India in summer 2014. This experience made me a more resolute human being, both emotionally and physically.

I had applied for an International Experience Program sponsored by our university and I was selected out of approximately 8,500 students of our state to get an opportunity to study overseas in summer 2013. We had to stay in Canada for fifty days and study two subjects of our course namely Web Data Management and Mobile Computing and Networking at Laurentian University, Sudbury, Canada. It was a great experience to learn from adroit

professors which made me determined to apply in USA for my graduation.

The United States of America is distinguished to be one of the leading technical giants in the world and that is why I have been fascinated to study in USA. Having looked upon the web site of your department, I am truly encouraged by excellent research facilities and excellent infrastructure offered for pursuing graduate studies. This has further persuaded me to endeavor for my interest towards research and development as a career objective.

I am certain that I would be a right candidate for research work at your university and will rise to the occasion to make a perennial contribution to your esteemed institution.