

"computer in the fest
by enrolling our team



“ Computer Science is the operating system for all innovation” - Steve

Ballmer It is vivid that at the turn of the 21 st century we have become more and more dependent on computers. This technology now reaches into every area of our lives and it is easy to predict that this phenomenon is only going to grow. It is highly likely that in the future there will be comparatively few aspects of our lives that will not be influenced by computer technology than are now. This very genuine fact motivated me to pursue Masters in Computer science. I believe that the Masters in Computer science will help me in abridging the gap between what I know and what I need to possess so as to build my career as Software Application Developer.

Also, as a young aspirant I have always nourished a dream of starting my own company which is my long term goal. My original motivation for applying to **** was my interest in programming. I chose the Department of Electrical and Computer Engineering as it will provide me a fundamental base of programming skills and techniques with a wide understanding of the practice and theory of advanced computer systems, which can be used across platforms from industry to research. Having done a thorough research after my 12 th grade, I have chosen Electronics and Instrumentation as my major in undergraduate program at SRM University. I was fascinated by the idea that how this field helps in creating, constructing, measuring and controlling devices and systems found in manufacturing plants.

The curriculum of SRM introduced me to various subjects like electronic devices, computers (C and C++), digital systems and design, microprocessors & microcontrollers, control systems etc. During this period, I worked on various projects and gained crucial technical knowledge by

implementing theory into practice. I also strengthened my team skills, communication skills and time management skills through these projects. During my study at college, microprocessors and microcontrollers is one of the subject that I found very absorbing as it is a combination of hardware and software. The laboratory experiments related to the subject made me to think while writing the programs for performing different operations and executing them. This interest further drove me to opt for microcontroller based system design as one of the elective in the successive semester where I have learnt about controllers in depth.

As computer itself is an organization of processors and other electronic components, I believe that a base knowledge of processors and controllers is mandatory for pursuing a course like computer science. In my 5th semester I attended a workshop on ARDUINO conducted by SSN College of Engineering, where I was exposed to ARDUINO and its applications for the first time. I found it interesting in how programming can make electronic devices work. Two months later, one fine day I came across a post in Facebook about QUARK- 2015, which is the national level technical fest of BITS PILANI.

Taking this as an opportunity to expand my knowledge on ARDUINO, and my friends decided to participate in the fest by enrolling our team in LINE FOLLOWING BOT competition. All our effort proved to be productive when we finally implemented the Line following bot using AT mega 16 micro-controller with embedded C and were selected for the final round. I also presented a paper on " Temperature control of greenhouse using fuzzy logic" during this event. During my third year I enrolled myself in being part of the hands on <https://assignbuster.com/computer-in-the-fest-by-enrolling-our-team/>

training conducted by NATIONAL INSTRUMENTS, Bangalore on LABVIEW for four weeks (21 st Feb to 28 th March 2015).

This was indeed a good experience to gain knowledge on LABVIEW and how it can be used in practical scenario. As a part of the training we were asked to submit a project at the end of the course. My team made the accident avoider robot using ultrasonic distance sensors and NI MYRIO which is an embedded hardware device. This project gave me an experience in designing a circuit for specific application using LABVIEW. As a part of the curriculum, I underwent a one month (May-June, 2014) In-plant training at Bharat heavy electricals limited, Hyderabad which is India's largest power generation equipment manufacturer.

This training helped me in gaining an insight of what happens in a manufacturing plant and how they use the new technology for producing various equipment. Also, in the final year I chose to work on the project 'Robust Control of Ball & Beam System in Real Time'. This project involved in designing and mathematically arriving at the transfer function of a robust PID controller. After my four years at SRM, I have decided to work with Infosys Limited which is one among the top multinational corporations. Although, I got offer letters from other companies like TCS, WIPRO and CTS, I have decided to join Infosys as a System Engineer because of its rich and rigorous training program that aims at developing the programming skills of each and every individual. This was the first time when I was introduced to various programming languages like Python, Object oriented programming, RDBMS, HTML, and Core Java programming ; testing.

I have also learnt and worked on the testing tools like Selenium and UFT. The training program at Infosys motivated me in developing interest in programming, which is the primary reason behind my decision of pursuing masters in Computer Science. Once the training is completed I was deployed to the production unit where I had to work as Quality Control Analyst for Allstate Corporation which is one of the largest insurance company in United States. Since the client uses SAP technology, it was at first challenging to me as I never heard about it before, but I slowly learned it and gained the knowledge which brought me appraisals from my Manager.

Being part of this giant corporation made me to interact with different people and understanding work culture which transformed me as a whole. Through the Master of Science in Computer Science, I wish to gain in-depth understanding of Algorithms, Programming and practical applications of software development. This will make me adept with required knowledge for having a good career.

Apart from your reputation, as one of the premier institutes in the world, one of the main reasons I prefer *** is that the program offered by the university aptly fits into my career needs. The research work of *** in the field of *** has been very motivating and intriguing. Social activity, plethora of clubs, research labs such as ** etc., was fascinating and provide excellent opportunities to work on exciting and challenging projects funded by national and state research agencies like the NSF, US Army, Department of Defense and etc. are some of the key features that excite and attract me.

Above all, this will give me the opportunity to interact with expert professors such as Prof. a, Prof. b and meet people from various countries ; cultures and exchange our learnings. I look forward to the positive response from the admission council.