**Statement of Purpose**

Ever since my childhood, I was very much interested towards science. I was very inquisitive to learn new scientific phenomena and I built models of scientific instruments out of interest, since building working science models gave me immense satisfaction. Some of the scientific models that I developed were kaleidoscope, solar system simulation and many more. I even received critical acclamation and appreciation when I built a working model that demonstrated the law of conservation of energy. I even won several prizes for building them.

In my childhood days, I have been interested in learning about general knowledge and science related concepts. Having sufficient knowledge in general trivia and scientific phenomena, helped me actively participate in quiz competitions of various genre and I even won several accolades. During my sixth grade, I secured eighth rank in a district level science examination during my 6th grade, which I consider to be one of my greatest childhood achievements.

I joined Sri Sathya Sai Loka Seva High School, Alike, for my high school studies. It is a very prestigious institution where students are taught moral values, in addition to academics. During my 8th grade, the institution conducted a free medical camp where tens of thousands of patients were treated by doctors and were given free medicine. I served as a volunteer in the medical camps, where I played a significant role in serving food to the patients who attended the medical camp. I was introduced to basic statistics, physics and electronics in the academia. These subjects seemed very interesting and I kept on learning more about them.

I secured a rank of 326, in the Engineering stream, in the Karnataka Common Entrance Test out of the 1,00,000 odd students who wrote it, I decided to take up Electronics and Communications Engineering at the esteemed institution of Sri Jayachamarajendra College of Engineering, Mysuru, to pursue my interest in electronics.

In my second year of under graduation, as a part of Anveshana-2013, a state level science expo and competition, I got the opportunity to teach two underprivileged students of eighth grade the  
basics of physics and electronics for over a month on which our project “Physical Exercise Responsive Infra-Red based Alarm Clock” was based. I decided to do this project because I used to face difficulty of waking up early in the morning and I wanted to find a solution for it. The specialty of this project was  
that it was solely designed using integrated circuits. Our team went on to win the third prize out of the original 1000 entries, of which 40 were selected as finalists. I experienced the joy of realizing an original idea, transforming a thought into a prototype. I also learnt the various aspects of research and experimentation, working from ground up and the joy of giving in the form of knowledge.

Our college is renowned for the fraternity between the students of different age groups. The interesting fact about my college is that the seniors not only created a friendly environment in the campus, but they also invested their time to impart their knowledge to their fellow juniors through various hands on workshops and technical fests. As a college freshman, I got involved in these activities as a volunteer. But in final and pen-ultimate year I got several opportunities to conduct and teach in several workshops on robotics, soldering and etching etc. My friends and I initiated this culture in two other colleges in Mysore. I am proud to say that our efforts bore fruitful results and our juniors there have taken up the task of teaching their juniors.

My hands-on experience on leading embedded platforms from the stables of Atmel and Texas Instruments  
sparked an idea of designing and developing my own embedded platform. I came up with a  
development board based on the 8-bit AtMega16 microcontroller by Atmel. Along with my  
friends, I went on to sell more than 100 pieces of the same in my final year. Apart from  
learning the technical know-how of such an undertaking, I learnt the practical aspects of sourcing  
raw materials, dealing with suppliers, pricing and marketing a product. I realized then that  
marketing a product is just as crucial as developing it.

In my third year, my friends and I took up a project “Tach LCR”, which was a unique amalgamation of Tachometer and LCR meter. The device was designed to be a hand-held device and it could measure the angular velocity, resistance, inductance and capacitance with great precision and accuracy. The project got critical reception from many professors in the department.

In my final year, my friends and I worked on “Optical Character Recognition for Musical Note and playback”. The project addressed the problem of musical data acquisition in an unconventional way. The project could easily read a musical score sheet and could transcribe the data in the score sheet to music. This project garnered huge appreciation from my professors.

I was hired by AirWatch by VMware as an Associate Software Developer through campus recruitment during the final days of my undergraduate degree. I have been working in the field of Windows Mobile Application Development, for delivering Enterprise Mobility Management for Windows Mobile Rugged devices. In my tenure in this company, I got a first-hand experience of the cutting-edge technology in the software domain, corporate culture, the ability to work under pressure, meeting deadlines but most importantly, interacting with new people in a professional environment.

I enjoy travelling and have stayed in different parts of Karnataka, owing to my parents who are government officials. I have interacted with people from across India, people with varied backgrounds and different perspectives. It has helped me to be more confident and less apprehensive about new situations or meeting new people. Having done my undergraduate studies in India, I would now like to explore new intellectual realms and broaden my outlook further. Netherlands has always interested me as a study destination due its well-established education system, amazing work life balance and its multicultural society.

Having had a rich learning experience so far, it is time I looked forward for graduate studies in the field of Embedded Systems in TU Eindhoven to further hone my skills. The research work done by the many of the professors in the Embedded Systems specialization has interested me and it would be a great privilege to work under their guidance.

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