

The wonders and innumerable opportunities in the field of advanced education has always pushed me to search deep and uncover the wonders in store for us in the future. I picked up on this irresistible fixation right from my high-school days. Observing and analysing how the work of genius man-made marvels improved the quality of lives around the globe and beyond, using education as a modum has uplifted my curiosity to learn more about the boundless possibilities of imparting education. When I had to pick my field of study for my under-graduation, there was absolutely no doubt, being an academician was my pursuit. I found my calling within the subjects when I saw my family members impart and transfer knowledge. I come from a family of academicians, from various spectrums. My comprehension of the field of study gradually developed into an ardent veneration and passion. With an opportunity to further enhance and refine my knowledge in the field, I would like to pursue my higher education from a reputable and exceptional university such as yours, which would aid me recognise my aspirations in the domain of academics.

Having spent about 3 years in South Korea has made me develop a huge admiration for the country, the cultural and traditional influence and most importantly the value they attach with education and social-wellbeing. Pioneering in the field of advanced technology, South Korea has bagged a prominent place as the global leader in electronics, digital displays, semi-conductor devices and so on. XYZ university has over the course of time contributed immensely to this success and has evolved to be one of the top and highly regarded universities in the world, in aspect of technical studies. An avid aspirant like myself, who yearns to delve deep into the study of XYZ, would be completely honoured to be trained under your institution's impeccable guidance and carry out my part to positively contribute to the world of advanced technology. An opportunity to continue the course of my higher education not only offers me a remarkable experience, but a great extend of quality education and numerous possibilities and opportunities in my field of study. At your established and esteemed institution, I wish to deepen my knowledge in electrical engineering and add to the bequest, the university and the country upholds.

Following my passion in Electrical and Electronic engineering has led me a long way in achieving the best understanding and experience in the discipline. With great determination and commitment, I was able to perform spectacularly in both higher secondary and senior secondary studies, which further uplifted my spirits to shape my career in the domain of Electrical and Electronic Engineering. This led me into taking an active part in a number of technical events, symposiums and competitions on both national and international level over the course of time.

My undivided attention and interest in the subject matter presented me with great platforms where I could articulate my ideas into practical use. Electric Solar Vehicle Championship, organised by Imperial Society of Innovative Engineers (ISIE) was one such opportunity where I showcased my abilities to put my theoretical and practical expertise into action, along with my team of exceptional associates. The contest aims to encourage young engineers to build solar cars to change our impression on solar power and let us envision a green and pollution free environment at near future. Leading a debutant team of twenty five with confidence and coordination, and taking challenges which came our way head-on, we were placed 21st among 150 teams from all over Asia. A chance as such helped me immensely to advance and leap forward in career. Following this drive paved way for a numerous projects and championships along the way. Following my drive to gain a better understanding of the industry, I attended and closely studied the working of several industrial giants in India; namely, Steel Authority of India Limited (SAIL), Integral Coach Factory (ICF) and North Chennai Thermal Power Station. I imbibed considerable industrial exposure on how the organisation is compensating reactive power for maintaining good power factor and also able perform circuit breaker analysis.

To attain better standing in terms of practical knowledge, I interned at Aerobotix, Chennai, India. The internship opened up interesting and innovative opportunities in the field of Robotics and Embedded systems. The training I acquired in Electronics, Sensors, Actuators and programming.

Micro-controllers, further introduced me to the wide possibilities in the field of advanced technology and left me desirous of learning more. Under the expert guidance of my superiors and associates, I developed and built a Robotic arm to mimic the action of the human hand gesture-using Arduino UNO, Flex sensors, Various Servo motors and 3D printed materials. The completion of the project bestowed me with excellent appreciation from the organisation, further instilling in me the confidence to keep working in the domain. Gradually the organisation offered expert training in the area of Software Tools, such as Codescroll Controller Tester, VectorCAST, Beyond Compare, Source Insight, Microsoft Visual Studio, Advanced user of Microsoft Excel (VBAs & Macros), which provided me with an advanced understanding about how the software tools skillset can be effectively and efficiently employed for developing structured Embedded systems. Such resourceful training and credence, bagged me the Udacity Technology Scholarship Award 2019 powered by Bertelsmann for AI Track last year.

During the course of learning and exploring the different dimensions and possibilities in the domain, I was intrigued by the field of Deep Learning. Assimilation of the topic through online learning and certificate courses, such as Intro to Deep Learning with PyTorch by Facebook, TensorFlow in Practice Specialisation by deeplearning.ai and Deep Learning Specialisation by deeplearning.ai. led me into publishing my first article outlining the implementation of AlexNet in TF 2.1.0 through deep learning on Analytics Vidhya.

My effective fascination by advanced technology, landed me a placement with SL Corporation, Republic of Korea. Since the past three years, I have been trained to fulfil the role of an Embedded System Software Test Engineer (Automotive) and within a span of two years I was awarded the International Software Testing Qualifications Board (ISTQB) Foundation Level Certification given by Korean Software Testing Qualifications Board. The process of learning is continuous, in the light of some great experience and opportunities I believe the next milestone to be achieved in my career is to attain an in-depth knowledge and exposure at a global front. I am competent and determined for the same and strongly believe that the master's program offered at XYZ would give me the necessary push and momentum needed to dart across to the start of a career as an expert in the field. Ideally, this would help me put together abilities and passion for the future advancement of technology.

On the completion of the masters program, I envision to be an integral part of challenging undertakings on Deep Learning - based computer vision projects for Robotic applications which will present me with the dual benefits of excellent job satisfaction and more importantly professional growth. I am impressed by the extensive curriculum and the excellent peer network the institute offers. The facilities provided by your university in field of research would immensely assist me to enrich my understanding and knowledge in XYZ. If offered a chance to learn and grow under the excellent mentorship of XYZ university, I strongly envisage a path, which will help me make my remarkable contribution to the field of technical research and studies.