

# STATEMENT OF PURPOSE

Can we imagine our lives without computers today? The evolution of a gigantic machine developed by Charles Babbage that once solved complex mathematical problems to an extremely intelligent device developed by companies like IBM, Intel, Apple, and Microsoft that can do wonders at a fingertip. This revolution has invaded all aspects of the universe and beyond the universe. It has been a long journey along with millions of ancillary inventions that supported and made this possible so that a common man without much computing knowledge can make use of this phenomenal device. I label myself fortunate to have been born in the era of advanced computing.

I still remember how a simple personal computer captivated me during my school days. My first computer teacher taught me what an operating system was and how it was used. Since it was only about 45 minutes we were allowed to be in the computer labs in the whole week, my curiosity made me ask tons of questions to my teacher and experiment every time I got hold of the computer. Seeing my interest brewing in computers my parents got me one for my personal use at home. Getting a computer for personal use did two things to me, one, I got addicted to playing games instead of making use of time effectively, second, I started believing computers were meant only to play games. This resulted in losing my computer for obvious reasons and then eventually I learned my lesson in a hard way. This lesson shifted my attention towards other subjects like Science and Math and I did excellent in exams and passed out with flying colors.

After my first lesson, I convinced myself to focus on the right area. I chose Computers and Math as a combination in my higher secondary education and fell in love with the subjects that were taught by my teachers. Although, when I look back today, I find those lessons trivial, I believe those lessons were essential to have a strong foundation and help me learn other relevant topics faster today. I continued to do well in the exams and scored enviable marks in both my favorite subjects. Along with academics, I participated every year in Scouts and once I was given RASTRAPATHI Award from the president of our Country.

After succeeding in class 12<sup>th</sup> I was given a meritorious seat in a reputed college in Bangalore, East West Institute of Technology. I chose to pursue my Bachelor of Engineering in Information Science. In this temple of learning, I acquired programming skills pertaining to C, C++, Java, SQL, Python and many others. I also learned how to use UNIX as a platform contrary to a popular platform Microsoft Windows. While I was in 2<sup>nd</sup> year of my Engineering I along with my friends we decided to do a mini Project on Internal Marks Management System. We were guided by our associate professor and the primary objective was to compute average internal marks of the individual student and store the same. After we

successfully completed our project based on the need that the college's every department had. We all decided to do another project on data compression and decompression. The primary objective was to compress and decompress the size of the file. The third project was comparatively big one – "Online Movie Ticket Booking System". This involved coding on the frontend as well as the backend, we decided to use different technologies to build this product. We used CSS, HTML 5, and Angular JS for different purposes. This project triggered my interest in Java Scripts and thus started learning through MOOCs provided on Coursera & EDX.

For my final year project, I along with my friends decided to work on Traffic Violation Prevention that would help in reducing fatal accidents. I shall be in a better position to furnish further information once we get our application approved for the patent that we have filed. Besides, the academic and computing achievements I have won awards and certificates in extracurricular activities. I had participated in dance competitions in intercollegiate fests and tech fests and was awarded. In the interim, I also subscribed for Photography classes and eventually participated in the competition at college and won Best Photographer award.

Given the diverse background that I come from, and my strong urge to acquire technical prowess in the computing field. I have decided to pursue my masters in Computer Science from your esteemed university. If given an opportunity I aspire to pursue my research on Data Science. This field always holds me on the edge of my seat. My current interest is to contribute to the field of ever-growing Data Science via Artificial Intelligence, Machine Learning, Deep Learning, and Neural Networks. Pursuing masters at your revered university can make my dream come true.

The International student diaspora, research facilities and endowments, alumni network, industrial connections, and professors' incredible achievements make your prestigious university more desirable. I covet admissions into your university not only for the aforementioned reasons but also for the major reason that I would make sure to maintain the integrity throughout my stay at university and augment the diversity and continue to add value with everything I possess.

At last I'd like to thank the admission panel to give me an opportunity to express myself, and more importantly to read my motivation letter. I would be honored if my application were accepted coupled with any financial aid possible at your disposal.