

Sitting in my office one fine day, I frowned at my computer screen. I could see the flashing advertisements hovering all around my personal email, primarily exploiting my personal content. Today, Internet is perceived as a gigantic data store, collecting users' private and confidential data making them vulnerable to infringement of privacy. Thus at this juncture of my life, I aspire to gain knowledge in the domain of Quantum Cryptography/distributed systems, so that I can contribute with my perseverance in the acquired updated knowledge post completion of my masters from your revered university.

I was born and raised in a tier 2 city of India in a traditional family where people have always valued discipline, hard work, simplicity, education, and honesty more than materialistic, opulent, torpid and indolent traits. My grandfather who joined as a mere janitor in a research based organization CFTRI, retired eventually as a scientist. My father joined Indian Air Force as **** and ultimately retired as honorable sergeant. I would love to continue this legacy and contribute in the area of my interest and leave my mark as history.

Today I work at an organization called as Extreme Networks Inc. as a senior software engineer. Contributing in solving real time complex problems everyday using the numerical analysis and using sophisticated models and algorithms. Among all the projects that I was actively involved, one is worth mentioning here. Macsec MKA – While working on this project, I learnt great deal of web security, malware analysis intrusion detection and most importantly had to actively coordinate with my colleague and encourage him to work all over again, every time we experienced failure.

The love towards computing and solving complex problems via programming language and drafting nexus of algorithms was truly demonstrated when I pushed myself beyond my comfort zone. It was after I graduated from my Bachelors of Engineering in Electronics and Communications, I decided to appear in an all India competitive exam named GATE (Graduate Aptitude test in Engineering) in Computer Science. This exam attracts over a million students from across the country every year and only 10% of them qualify the exams and I secured a 95 percentile in my first attempt. I studied and mastered all the modules that were necessary for me to clear this exam.

I've never feared exams, while most of my friends used to run away from the exams that were conducted at the end of the academic year, I used to wait for them. In today's world while many millennials are of the opinion of numbers (scores / grades) in the exam one secures do not define one's intellect, its true to an extent, however, I opine scores or grades in the transcripts are the exact replica of how one has understood the modules well and has put efforts to materialize when asked to express the same. Thus, I take pride in being top 5% through out my primary schooling, Higher secondary schooling and also during my undergraduate degree at a prestigious university.

During my undergraduate I was productively occupied in many academic and non-academic activities alike. And, every experience while pursuing distinguished activities has led to better results. For Instance, I was a regular volunteer at ISKCON, and their Akshaya Patra Foundation, which feeds over 5-million underprivileged children everyday. This volunteer experience at this NGO had instilled a chance to practice humility; an opportunity to contribute to society; an

exposure that I had never witnessed before. On the other hand, academic escapades like workshops, competitions, being active member of IEEE council and an Internship at a research based organization have amplified my interests and intensified passion towards Programming and security at large.

During my internship at IISC (Center of Nano Science and Engineering Department), I was assigned the responsibility of interfacing the ATT control unit with LabVIEW (a software from National Instruments), and I incorporated the features of the control unit, setting a temperature, choosing from a set of preset values and ramping function in the LabVIEW programs. I also worked there on interfacing the Keithley sourcemeter (current and voltage) with LabVIEW. I developed LabVIEW based software for different application tests. The software I developed, was flexible unlike the software that comes with the instrument, which is not user friendly. The VI written gives user option to choose the parameters along the axes, transfer the data to an excel file, make different types of measurements. I received both a letter of experience and a certificate from the institute, signed by the Technology Manager of Micro and Nano characterization facility Dr. Girish Kunte.

It is true for an individual to succeed today in this competitive world, vibrant experiences are extremely crucial that collectively bring holistic development. With the gain in popularity for online courses today any individual can gain knowledge sitting anywhere in the world. However, experiencing live learning sessions along with peers and other buddy learners coming from all walks of life can be more fruitful and worth cherishing. Therefore, a need for higher education at a temple of learning as yours is something that I deeply covet. In order to get a step closer to my dream of working and contributing as a researcher in the field of Distributed Systems and Cryptography. I firmly believe masters course provided at your prestigious university in Information Security and Cryptography from Professors like Michael Bakes, Peter Druschel, ***** will have a profound impact on my life.

Areas like Cryptography, Cipher System, Computer Networking and Software Systems, Computational Number Theory, and other relevant Programming Languages are some gaps that I'd fill with a master's degree from your reputed university. Lastly, I'd like to express my gratitude to the admission committee and application review panel for spending time on reading my letter of motivation and bestowing me with acceptance letter.

Yours Sincerely,

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