STATEMENT OF PURPOSE

After two years of work experience as System Engineer at Tata Consultancy Services, one of the India’s leading IT companies, I have decided to study further and undertake Professional Science Master’s in Data Sciences and Business Analytics.

After graduating from the Department of Computer Science and Engineering, SASTRA University- one of India’s most distinguished universities, I felt I should gain some practical experience working in a software industry to gain first-hand knowledge of how the corporate works and wanted to get exposure to real time applications. That’s the motive behind the idea of me not proceeding directly to graduate studies after graduating. I wanted to know what it takes to excel in the IT and how to add value to myself in the field. I wanted to make sure that I had chosen the right specialization and I am at right place before embarking on a course of study. I absolutely involved myself to ensure that I am in the right path for next few years in my adventurous journey of learning.

I worked as **Developer** on the **platform Oracle E-business Suite,** one of the ERP (Enterprise Resource Planning) and was a part of a service contracts project that facilitates the client in maintaining end to end; from signing the contract with their customers to billing/generating monthly invoices on a monthly basis. I enthralled every minute of my work: especially the opportunity to participate in cutting-edge projects and discuss ideas with senior developers. Working in the software industry has inculcated me upon concrete and steady foot to interact with people across the globe and an eclectic prospective to deal with sundry issues. Apart from technical abilities I believe there was lot of exposure and penetration towards my interpersonal skills. Two years into the Software Industry, I could distinguish myself by my natural curiosity, attention to detail and near-encyclopedic knowledge of my field of study.

I later realized that, although I enjoy developing the complex code for the projects, there is so much that rests out of my purview. Society has entered a new digital era where creation, consumption and use of digital content have changed our lives. After working under supervision of great mentors for quiet sometime, now I want to raise myself to be one among the Data Scientists. This unquenchable thirst for learning shifts my focus towards pursuing Professional Science Master’s in Data Sciences and Business Analytics. Society has entered a new digital era where design, consumption and use of digital content have transformed our lives. This resulted in exponential growth of Big Data over the past few years. Hence, I feel the future of business intelligence relies on mastering jointly big data and business analytics practices. The applications of data sciences are wide ranging and this course would provide me with ample opportunities which would boost my career.

I passed out of high school with 91.6% and chose Mathematics, Physics and Chemistry to furnish myself with the fundamentals required for my undergraduate course of study. During my under graduation, my interests were only fed more with the presence of advanced systems and a scope for better learning from the professors. I was flabbergasted by the magic woven by C-programming in every department of computers. Algorithms, Embedded Systems, Operating systems, Computer graphics, Distributed Systems, Database Management Systems and Wireless Sensor Networks were incontrovertibly the most interesting of the lot for the interests I have developed.

My fantasy towards wireless sensor networks led me work towards a project on Wireless Sensor Networks, in which I proposed and studied a new algorithm in order to implement an **effective mechanism to minimize the insider attack** which is well known as **Black hole** in wireless sensor networks. \* have to mention the technology used\*. The project was well supported and appreciated by our dean since he thought it was interesting of the lot. This is being published by our professor Ranjeeth Kumar.

For the kind of research of course I want to pursue, University Of North Carolina Charlotte is the ideal university for me because of its cutting edge, interdisciplinary program which is the rarest yet excellent combination of data science and business analytics. I want to understand and attain technical skill in various quantitative grounds such as statistics, econometrics, calculus, optimization, and software paradigms that underlie several analyses undertaken by corporations. Also, the courses like ‘**Database Systems’**, ‘**Big Data Analytics for Competitive Advantage’,** ‘**Business Intelligence and Analytics’**, ‘**Web Mining’**, ’**Supply Chain Management’** etc., interest me and would help me improve my analytical abilities and tailor my degree to unique interests.

I was interacted frequently with Keerthi Kata, Current student of UNCC, knowing the details of the course work, professors, student life, campus facilities, accommodation, and preparing myself for UNCC. The more I research about your esteemed university, the more amazed and the more interested I become to join. Besides academics, I’m excited by the activities and accomplishments of the current students and alumni of UNCC and I look forward for the convivial atmosphere at your university.