**STATEMENT OF PURPOSE**

Working in the financial domain as my project in TCS, I have handled large amount of critical data. And at the same time being in a support project, I noticed that there is a lot of manual analysis that was both time consuming and redundant. There were a lot of unknowns and hit and trials involved. And all this was because we did not have a root cause analysis model in place. This encouraged me to explore the different ways in which we can have a better perspective of the problem before we can jump to the solution. This is how I developed my interest in data analysis involving.

~~The subject of computers have always intrigued me. So, whether it be learning GW Basic or LOGO in elementary school or learning algorithms and data structures during my under-graduation, I have always learnt them with utmost enthusiasm. Given a computational problem and exploring different ways and means to solve them has always interested me more than anything else.~~

It has always occurred to me that, in any kind of problem, the ‘HOW’ part in a problem is always important than the final solution itself. Proper insights about the problem like, identifying cause and patterns, possible solution alternatives and their pros and cons, will always help in providing a robust solution. This is the reason, given any problem, I have always spent more time analysing and planning rather developing and implementation itself. And this is the same strategy that I have always had in mind since I wrote my first computer program.

As an electronics and telecomm field there were limited number of programming courses in which we had exposure. But, whatever little we were offered in college ~~I have made sure not to miss out on those opportunities. And my affinity towards technology have always helped me~~

College opened my ways to learn different technologies.

Programming languages were offered as electives ~~and I have always made sure never to miss them~~. On the later part of my under graduation I had gained a deep understanding about the working of an Atmel 8051 micro controller. This understanding helped me in my 8th semester major project. My project included a GPS guided vehicle with a mechanical arm. This arm was controlled using the 8051 micro-controller and dc motors. I had used my knowledge of the micro-controller to completely program the movement of the arm. After the project I and my team prepared a group thesis paper about the complete project where I had explained the technical details about the functioning of the arm. Our thesis was selected as the best project paper of the year.

After graduation while I still had time to join my first company TATA Consultancy Services Ltd, I decided to hone my programming skills further by learning C++ and Oracle SQL in detail and passed those courses with A+ grade from a reputed institute. After I joined TCS I had the opportunity to learn JAVA and UNIX. After completing these courses with 5-star ratings, I joined TCS as an associate trainee where I made use of my knowledge in these languages in a real-world scenarios. I started with automating simple day to day tasks like checking the quality of files delivered to us based on company standards, which critical files are still left to be delivered and creating a daily log file containing all the manual changes that was made to certain critical files.

As discussed earlier, the technical challenges that I faced while delivering my job responsibilities, interested me in the field of Data Analytics. Experts helped me to gain more insights on the same. Therefore, I chose python as my starting of gaining more insights. After having complete relevant knowledge about Python I moved towards python modules for large data handling like Numpy and Pandas.

Why MS? What is your area of specialization? Why MS now?

As I kept on exploring the different ideas and algorithms used in the above mentioned modules, the exposure increased my inclination towards learning more about these analysis techniques and therefore, a formalised classroom training process would be the ideal way gain further knowledge of such an insightful subject. Growing with this point of view has finally brought me to this juncture where I have all the required pre-requisites, motivation and goals to take this up as a career and finally contribute to some…….

And with the cutting edge masters program of so and so college will definitely provide me with a deeper understanding of the same.

Why this particular university?

[**Current college name**] is reputed in imparting unparalleled knowledge about data science and hence will be the right choice possible to fulfil my academic aspirations.

What I have to offer to the society.

Goals /

extracurricular activities

Conclusion