**Statement of Purpose**

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MS in Data Science

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During my childhood, I used to play with broken gadgets and try to repair them using my tools. I was very interested when I saw scooter how its running and function that made me interest in more mechanical stuff. My city was known Manchester of the city by its industries I like to visit my father's close friend factory there I saw a lot of machinery and I was so fascinated by the machine and then made my mind to Diploma in mechanical engineering.

During my diploma, I developed immense interest in Engineering drawing, Strength of material, Applied mechanics, Computer Application in ME and Workshop during my summer break I join internship in Bicycle and car auto parts factory I was so happy that time when I see the first production line and various Computer Numeric Control machine(CNC), and MNC machine I got fascinated with the technology that I started learning CNC programming by my own and researching about fully automated system which can reduce human efforts. In my final semester, I made an innovative project named Automatic blackboard cleaner that got awarded by my college but I was struggling to make it fully automatic and wireless. Those days automatic car self-driving cars were introduced I kept on researching the latest technology which I needed the most from my childhood I was an innovative thinker and try making new things rather than copying. At this stage, I was fully attracted by Technology and its application which led me to pursue a Bachelor in Information and technology at Guru Nanak Dev Engineering College, Ludhiana. This course provided me with a strong foundation in computer Science and exposed me to its various branches.

During my under-graduation, I learned about C++ Programming, Data Structures, Big Data Analytics, cloud computing. Which kindled my interest in Big Data Analytics and Cloud computing. I liked all subjects but my favorite was Big Data Analytics and cloud computing in which we were introduced that data is key to everything. We can analyze the Data and do predictions based on historical data that fascinated me a lot. I learned about data and cloud computing how data is stored in the cloud and cloud-based services like SAAS, Paas, IAAS. I did 2 internships one in web development for 2 months which involved making Campus Class Locator for a fresher student. The other internship was on Cloud computing at Indian Silicon Valley Bangalore. We made a live project On cloud broker which acts as a middle man between Cloud Companies and micro Companies. These two internships helped me strengthen my technical acumen. After my Internship, I took an exam for Amazon Cloud computing services and got certified as Amazon Certified Developer Associate which was my biggest achievement at that time. That exam is an Associate Certified that user can do intermediate operation on amazon console and Handel terabyte of data on the cloud.

After completing my under-graduation. I joined Byjus Edtech company, Bangalore as a Bussiness Development Associate. I worked on Two projects. The first one was Analysing Customer Data and giving valuable outcomes to the sales team by analyzing the background and paying capacity by just analyzing big data by various cloud tools. The second one was doing predictions based on data with the specific Geocoding and separating the city into the Income scale. After Byjus I got the chance to work with TensorIot Company which help me to give international exposure to Cloud Computing. I act as a cloud consultant Part-time. There I was Undertaking One project Which was based on machine learning and artificial intelligence on cloud computing I got so fascinated that I joined the Reinvent summit of amazon online Their I see Andy jazzy keynote which builds my more interest in doing something in Artificial intelligence field. I joined a Data science course in Bangalore at Advance Training Institute for deep diving in Al, Ml in data science. After that Institute Conduct, Rap program Test in which I got selected as Data science Associate in Redwood Algorithms which was my biggest breakthrough Redwood Algorithms was a Data science company in Bangalore which deals with an international client. During my internship, I worked on a data analysis project for the company by performing various data analytics tools. Because of my huge interest in this field, I love to do my work. My work on redwood algorithms was so outstanding that they promoted me to Data science Consultant where than I handled 5 projects. The one was Election prediction model in which various dataset was given and we have to analyze. The Second was SAS Report Project using the most famous Data science tool that is SAS VIYA VA. I also act as a Team Leader for the project and got the chance to travel abroad to the client location. That was my first trip abroad on an international bank client their I handled the team and done various tasks like Data creation, handling, processing, and others on Mysql developer and created visualization in SAS Server. The 3rd project was a Customer recommendation engine for a finance bank in which the agent can upsell or sell the product to the customers. The 4th project was the Loan defaulter model for Vietnam bank in which we have used advanced machine learning in data science to achieve the best result. The 5th project was a web application that has to be implemented on a cloud server as I was a certified AWS developer I help the team to Implement on the server of amazon. Apart from this, I have done many Personal projects like license plate detection system, face detection system which is a great example of machine learning and artificial intelligence skills. I enrolled in multiple courses in Machine Learning on Coursera and Udemy to learn advanced topics for the same.

Determination and curiosity to explore different cultures is the main character of my personality. I traveled a lot in India and once Abroad. India has different cultures north to south and east to west. I traveled in almost all directions which made my decision of studying abroad stronger.

The demand for thoroughly trained professionals in a globally changing environment makes for the Masters in Data Science. It will open up a world of opportunities and expose me to cutting edge knowledge. After completing my Masters in Data Science from your prestigious Institue. I would like to work with companies like Google, Facebook, Microsoft, and Amazon. After working for a few years, I would pursue my Ph.D. in Data Science and then establish my own Company in India to work for an international client.

Today, knowing what I have in hand and understanding where I want to go, I wish to study in Newyork Institue of Technology and pursue MS in Data Science. It would be my pleasure to learn from such a top-notch faculty of this prestigious Institue. Learning from this Institute will bring me closer to my goals. It will be a pleasure learning from the professors who have aced in the field of Data Science and has won many prestigious research grants. Also, One of my seniors has studied at this prestigious institute and I heard a lot of praise from this institute from her. As the program offered by the Insitute would furnish me with an opportunity to attain advanced-level, high-quality training in the core areas of Predictive Analysis, Statistical Analysis, cloud computing, and Neural Network. I strongly believe that it would assist me in advancing in my career. As I was going through the curriculum I want to be a part of something new I could contribute to this subject through this prestigious institution. I want to be found practicing my codes and algorithms once again, in the Newyork Institute of a technologies computer lab.

Given my education and experience, I am a good fit for the Master's program in your prestigious Institue. I have researched the program and feel confident that the coursework and my work experience are a strong match.

Regards,

Gurjot Singh