**Statement of Purpose**

Few areas of my education have stimulated me to think as much as my undergraduate courses in Data Structures, Web development and Computer Programming have. when I used Google Wave for the first time or even when I log into Facebook every day and come up with some new feature, what I feel is a sense of marvel. Here are innovations that keep evolving not only technically but also hold infinite scope for creativity and logic. I feel a similar sense of happiness when I see my code run successfully. It is this feeling, which till date, drives me to not give up on even the toughest of problems. And it is this love for programming, combined with my desire to dig deeper into the working of various applications and technologies, which propels me to apply for an MS in Computer Science.

Pursuing my strong interest in Web development has over the years enabled me to develop keen analytical and reasoning skills. Through the course of the four-year Bachelor of Engineering in Information Technology Engineering at the prestigious Mumbai University, I acquired an overall perspective of this discipline, with a particular interest in Object Oriented Programming. Data Structures, Web development , Database Management, .NET and Django were some of the other areas that captured my attention. My keen interest in the subjects translated into receiving an 10 pointers in the Web development . I also have worked on numerous projects, including participations in various coding competitions. Proactive in my approach to learning, I have also completed the Udemy certification of Web development.

Apart from the projects undertaken in college, it was my desire to gain exposure to various real time subjects, and this prompted me to attend various workshops on Machine Leaning and Artificial Intelligence. I attended a one month training on Machine Learning and Artificial Intelligence held in my college St Francis institute of technology in June,2019.I also organized an event in Mosaic held in my college.

For my final year project, I worked with a team of three other classmates to develop a "Multiparty Voice Chat on Windows Platform".. The application was intended for in-house communication between peer systems in the organization, thereby removing the need for a dedicated server. This assignment greatly strengthened my conceptual knowledge, and through its practical implementation, it also allowed me to further my expertise through integrating .NET technology and Network programming.. Till then my coding had been largely restricted to basic C++, and while it was a challenge to learn and implement socket programming in the .NET framework within a short span of 4-5 months, it was one I readily accepted.

Simultaneously, active participation in a wide range of extracurricular activities has ensured the all round development of my personality. I have taken part in cultural activities like group dance and literary activities like crossword and Sudoku competitions. I also play badminton as a hobby. Apart from this, I was an active member of NSS and have participated in various social outreach programme organised by the NSS of my college . This experience brought fore my leadership abilities and to reach out to others when they are in need .

Having acquired a solid foundation in the field of Information Technology through a rigorous undergraduate program, and my various courses in the IT, at this point, I feel that it is the right time to take up graduate studies. I wish to raise my understanding of the concepts of the IT field and use this knowledge to further my chances for a better career in Software. With a keen interest in working on the latest web technologies, I seek to take advantage of opportunities in the field of web development which allows the combination of these technologies with one's creative instincts.

The MS program in Computer Science offered by the University of Stony Brook,New York will undoubtedly provide me with the right knowledge, skills, and experience to pursue that dream and exploit the opportunities to the fullest extent. The practical orientation of your in-depth coursework will allow me to not only acquire a clear understanding of the subject but also the skills to execute it. I am confident my exposure to such initiatives would quite augment my knowledge base and add tremendous value in enabling me to realize my professional goals