

STATEMENT OF PURPOSE

Ever since the dawn of the internet, the field of technology, computer science in particular has been enjoying a renaissance. The need for constant evolution and betterment of existing technologies has always been a driving force for ground-breaking research and development of futuristic products. With the world moving towards breakthroughs in the form of human-computer interaction, it is hard not to be fascinated by this technology. I was smitten right from my formative years when I used the computer for the very first time at my father's workplace. I suppose it was a way for him to keep me engaged while he went about his work. It was computer games that initially caught my attention. Nevertheless, the more I worked on computers, the more I began to perceive how they function, uncovering the vast, unending applicability of the machine and its related technologies. My fondness for computers grew further when I was exposed to programming. I can still remember the euphoria and the overwhelming sense of achievement I felt when I first executed my program. That was when I realized that I can make a machine do almost anything imaginable, setting the field of computing vastly apart from other fields. I want to climb up that extra mile not only for an added edge over my peers but also to carve a niche for myself in the IT sector. With the completion of me under graduation beckoning shortly, it is with excitement and eagerness, that I await a bright and dazzling tomorrow. At this important juncture of my career, I intend to specialize in COMPUTER SCIENCE which will turn me into a thorough professional to put my skills into practice. My motive stands clear to achieve the zenith in the field of computers, The Computer Science and Engineering stream in the undergraduate study at Lovely Professional University helped me build a strong fundamental base with subjects such as Computer Programming, Python Programming, Programming Java, MYSQL, AWS, Cloud Architecture, Network Virtualization, Data Structures and Algorithms, Designing and Analysis of Algorithms, Operating Systems and Cloud Security, etc. It is my belief now that to achieve greater things in life, a bachelor's degree is not sufficient in this rapidly progressing world, higher knowledge, wider exposure to practical experience, and involvement in more extensive research is essential for prosperity and development. I am certified after course completion of AWS Solutions Architect from Naresh IT solutions in 2019 and I have secured C2 (Proficient) in EF SET English Test.

During my undergraduate studies along with my regular coursework, I also gained hands-on experience in the projects. I focused on both gaining theoretical knowledge and learning through practical implementation by end of the third and fourth semester, I have started doing the projects by my learning on AWS I have done 4 projects during my under graduation on **AWS Server** it is a cloud server with running applications created in Amazon web services using VPC and allocated subnets (with different availability zones) and routed to public and private subnets and initiated via internet gateway and customer gateway, the second project is **STEVE** it is the python based GUI program using NLP which interacts with the user to perform various actions, the third project is **BET2GET** It is a HTML Project based on IPL betting which can speculate users and make them reflect in the output of game and users can win prizes with respect to their performances and the fourth project is **IPL Schedule Controller** It is a program which has all details of Indian Premier League which gives the glance of all information of IPL (like schedule of Scores, Teams, Player's info, etc.) and can be updated by the admin. During my undergraduate, I have done an internship as a Data Analytics Intern with SkillVertex in Bengaluru, India. My internship here has given me vast exposure to working along with big data, and my zeal for the topic continues to grow stronger day after day. I found Data analytics to be a program that's very challenging and yet hugely rewarding. I make use of every opportunity to learn the major programming languages

and different techniques concerned with Data analytics. Exploring, researching, and discovering new techniques of analysing data and implementing algorithms to expand my intellectual rigor, as well as my practical skills, are other areas of intense focus for me. Obtaining an **MS degree in Computer Science** is a strategic step forward in the right direction.

While academics have usually occupied centre stage in my life and work has mostly felt like play to me, I have participated in and, I am happy to say, even excelled at traditional forms of playing as well. I have been an avid Football Player and served as my University's Football team captain for two consecutive years (2017-2019). I have also participated in both the Cricket and the Table Tennis teams (2017-2018). Besides these, swimming, dancing, and painting are my hobbies. Apart from sports, I have volunteered to "Sankalp Enviro," a non-profit organization with a mission to support and strengthen India's poor communities' development process. I was part of a team to educate and bring awareness to villagers on the implications of drinking contaminated water. These activities have offered me a separate space of freedom and peace that has enabled me to evolve into the dynamic and multi-faceted person I am today.

Research facilities, curriculum, and highly qualified faculties of the universities attracted me to apply for my master's in computer science in the USA. Furthermore, the reason to pursue my graduate studies at **University of South Florida** is because of its academic excellence, expert faculty, and wide range of courses. I am highly excited about my decision to seek admission into your graduate program. I look forward to the discoveries and challenges of my higher studies. By studying an **MS in Computer Science**, I would like to further delve deeper into this specialization and gather advanced-level knowledge as well as progressive research skills that can help me to achieve success in my career. Pursuing MS in Computer Science will gain expert knowledge of this area of study along with contributing to research at your renowned university. My long-term goal is to establish a successful career in research and utilize its key potential skills across various areas. This program at **University of South Florida** will also help me gain useful knowledge and skills to steer towards a successful career and fulfil my research aspirations. And I believe that for this, acquiring a Ms in computer science would be a step in the right direction. This is exactly what probed me to pursue a master's in computer science and I believe that this will be a stepping stone towards heights that I wish to reach in the field of computer science. **University of South Florida** has got an established track record of success being a part of this amazing study environment will propel me closer to reach my professional goals. In the process, I will be able to acquire the necessary experience and skills to integrate myself deeper into the IT industry, Once I complete this program, I will return to my home country and explore the career opportunities in various MNC's like IBM, Google, Amazon, Wipro, TCS, Cognizant, Capgemini, offer many openings to skilled and certified professionals. The degree obtained from your esteemed university will inject tremendous value into my profile. I believe that master's studies strengthen the foundational concepts and help me to achieve expertise in a field chosen. I aim to establish a career in research and studying under the guidance of a highly qualified faculty at your university can equip me with the mentorship as well as the knowledge I need to become successful in reaching my goals.

I am thankful for this opportunity to express myself and I will be grateful if my application is considered.