**STATEMENT OF PURPOSE**

**Program : Masters in Data science**

**Intake : Fall 2023**

My passion for science and technology, as well as my deep interest in the ever-evolving world of technology, has inspired me to pursue a career in engineering. It motivated me to take on new challenges and assisted me in achieving all of my goals. This eagerness to learn is what propels me to learn new technologies, acquire the skills I need to meet my objectives, and gain valuable experience for my career. All of this has strengthened my resolve to get a master's degree in data science.

I completed my schooling from Akshara Concept School in 2017 with a grade point of 9.3, and I am grateful to have attended one of the best institutions in the country. Right from school, I had a great interest in Mathematics, Science, and research in general. This has led me to take up Mathematics, Physics, and Chemistry as the core subjects in my 11th and 12th grades. Working hard in high school, I was able to establish a solid foundation in the core subjects and have passed out with a decent 93 percent. Through the good percentage that I secured in 12th grade, I was accepted into the Government City College and my fascination for technologies has led me to take up a Bachelor of Science in the Department of Computer Science . I have graduated in 2022 with a CGPA of 8.12 and during my undergraduate studies, I was exposed to a variety of courses including Data Structures, Python, Analysis of Algorithms and Java, all of which piqued my interest. Other topics that attracted my curiosity included Machine Learning and Artificial Intelligence.

I had the opportunity to learn C, C++, and Java during my second year of bachelors, and I made use of them to build a mini project called "Student Exam Application." The goal is to create an application where students can take practice quizzes and professors can form the questions as needed. It was my earliest project and has helped me in improving my coding skills, logic analysis, and enthusiasm for computer science. Proactive in my approach to learning, in addition to my BSC degree, I have also completed complementary programming courses related to Python, Machine Learning, Data Structures, Design and Analysis of Algorithms on my own from the National Web Portal for Education named NPTEL. My academic experience has thus provided me with a wide range of practical skills that will be greatly useful and also an increased desire to pursue Master’s in Data Science.

By working on projects like Integrated framework for the visualization of embedded flatforms, I've gained hands-on expertise in the project. My work there provided me with a wealth of experience and knowledge. Later, I registered in Course Era, where I am currently pursuing a Data Science Certification and a course called “Python for data science, AI &Development”, "what is Data Science” and “Tools for Data Science”, I enrolled in these classes in the hopes of improving my skills and establishing a solid foundation.

When I watch videos of the latest technological products or when I used Google Assistant for the first time or even when I first logged into Facebook, what I felt was a sense of marvel. These are the innovations that kept evolving not only technically but also hold infinite scope for creativity and logic. I feel a similar sense of exhilaration when I see my code running successfully. It is this feeling, which to date, drives me not to 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, that has propelled me to apply for an MS in Data Science.

Regarding my goals for the future, I plan to take what I learn and apply it to the computing industry. As a short-term goal, I would like to join an internship that has a good learning environment during my second year and then proceed to accumulate experience by working in reputable product-based companies. In the future, I see myself obtaining a Ph.D., which will help me to make better business decisions in critical situations and optimize strategies for a company's effective operation. Because this field is continuously growing and has a lot of potentials, launching an innovative venture or doing research would enable me to make a difference in the IT world.

This program will assist me in acquiring expert knowledge and providing a greater understanding of concepts. It would also better prepare me for a career in research, and the technological challenges I'll confront in graduate school will enable me to address my limitations. As a reason, I've decided on Data Science as my major, which includes courses and subjects that are relevant to my interests. And I am confident that it will serve as a turning point in my career, providing me with vital experiences and abilities that will enable me to grow into a successful, inventive professional.

I choose Pace  University to pursue my Master’s degree so that I would gain a comprehensive understanding of this field, as well as the capability to comprehend, design, and apply efficient models to real-world problems. This would also enable me to create creative structures and applications in the field that would benefit the community, as well as lead me in my career as an industry-ready professional. The course catalog provided me with a large variety of courses to pick from, many of which are very practical and career-oriented.

I've also learnt that the United States of America is the epicenter of technological advancements, serving as a vital link in enhancing the quality of life of international students by providing opportunities for them to work when they return to their home country, as well as a gateway to gaining high-quality industrial experience and global exposure through accredited degrees that are recognized and valued around the world.

Your university is a confluence of people from varied cultures, nationalities, religions, races, and ideologies. I am sure that my exposure to these types of diverse influences would help me grow as a person and broaden my mind about internationalism from the limited thinking of nationalism. With the various research options available here, I am assured that I will have the opportunity to work professionally with faculty on research projects and simultaneously make my research work more purposeful. It would be a great pleasure and honor for me if given a chance to pursue my graduate studies at **PACE** **UNIVERSITY, NEW YORK**. I hope that you will find in me a deserving and creditable student for at **pace university**.

**KANDHADA MALLIKARJUN GOUD**