Statement of Purpose

'It is good to have an end to journey toward; but it is the journey that matters, in the end' — Ernest Hemingway. Slightly paraphrasing it my way, 'Never bother about the result, it's the journey and the effort that matters. Since I was a child, I always dreamed of studying in elite universities across the world, the USA in particular. I always seek opportunities to fulfill my passion by signing up for a winter internship and pieces of training as an undergraduate student. In that process, I have learned a lot about professional work culture, and following those lines and implementing those ideologies, I ended up being an employee of **Cognizant Technology Solutions**. While working with my colleagues, I have experienced that I have to develop my skills further to cope with these rapidly advancing technologies and fast-growing companies. Hence, I have decided to pursue my **Masters (Engineering) in Computer Science Engineering.** Masters in CS is a necessity for me as a person and even for my firm. I can directly apply the techniques/concepts like Proficiency in algorithms, Programming skills, Management of data, Networks, Security, Operating systems, Computer language usage which I will be learning in the university, to my firm. Since all fields in Computer Science are noticeably interlinked, I want to pursue graduate studies at a University that is robust in all fields of Computer Science. I am aware that the Department of Computer Science at the University of Colorado, Denver is one of the top universities in the world, being a strong portfolio in all emphasis of Computer Science. Dr. Seshadri, an alumnus of the university, also recommends it highly. These facts have led me to apply to the University of Colorado, Denver.

I have been a good student and almost 1-10% of the class from my childhood. I was among the top 5% in my 11th and 12th classes, and owing to that, I have ended up pursuing my undergraduate studies at the Sree Vidyanikethan Engineering College (SVEC), Tirupati. The curriculum at SVEC exposed me to the entire gamut of computer and electronic courses thus laying a strong foundation for both my Hardware and Software fundamentals. My main interests are programming, algorithms, and data science. I enjoyed the courses in Networks and Operating systems. My interest in Programming and Databases led me to prepare captivating illustrations to explain the working on various projects. I have developed many programs in C++, Java, SpringMVC, and Python. I gave various presentations on topics other than my program, including artificial intelligence, machine learning, etc.

In my junior year, I worked under **Dr. Karthik** on an Age-gender detection project using Python. I have worked on collecting data sets and in gender determination with CNN in which I have gained deep knowledge in CNN and deep learning. He suggested that Advance knowledge in computer science engineering helps me to reach heights. I have experienced the real-time importance of building projects. My strengths are my consistency, capacity for hard work, and my ability to work in a team. I have been involved in many group course projects, and I have been the team leader in quite a few of these. I believe that research involves new ideas and consistent effort to back them up, both of which I am capable of. I have also volunteered many events in department and college fests which enhanced my leadership skills.

In my senior year of graduation, I got a vivid picture of what my career goals should be. At the end of my sixth semester and early seventh semester, my idea has taken perfect shape. I, with my seniors, end up building a project "Drowsiness detection" of an automobile. We have built this project using OpenCV and Keras by which I have gained abundant knowledge in python programming. The amount of knowledge and experience I have garnered by working on this project is invaluable. I have interned as a **Programmer Analyst Trainee** at The Cognizant Technology Solutions during my final year. During and after my internship period, I have worked on projects like Employee Management Systems, Online Tailoring Systems. For these projects, I have used Spring Boot MVC, JDBC, and My SQL for database management. My Programming skills are good, and I would like to hone my industrial and analytical skills further.

In my final year of under graduation, I secured a job at Cognizant Technology Solutions, a leading IT company. Currently, I am working there as a Programmer Analyst. I have come to realize that to keep up with the reckless pace of innovation in this field and to meet up to the standards of my counterparts from across the globe, I have to equip myself with a strong degree from the Institute of International acclaim. I have gone through the entire curriculum of Computer Science Engineering, and I believe the courses are the correct fit for my career. A degree from the University of Colorado Denver, which is one of the top-ranked universities for the Computer Science Engineering program in the world with comparatively affordable tuition (which is like a pearl in the ocean), will provide a solid foundation for my professional career. The distinguished faculty and excellent facilities at your university make its graduate program ideally suited to my professional goals and faculty. I found the research areas of Gita Alaghband, Farnoush Banaei-Kashani, and Min- Hyung Choi very close to my areas of interest and would like to take their guidance and develop further. Being a hardworking and committed student, I am certain that I will be able to cope with the rigors of an International curriculum with ease. My determination to succeed and do well will enable me to be among the better students of your college.