Name: Thippanuri Sai Aravind Reddy
Intake: FALL 2023
Intended Major: MS IN COMPUTER SCIENCE

<u>STATEMENT OF PURPOSE</u>

I've always been fascinated by technology since I was a child, and my desire to understand how it all works prompted me to major in computer science in my undergraduate program. As a Computer Science undergraduate student, I was mesmerised by the exponential growth of technologies such as Artificial Intelligence, Blockchain, Cloud Computing, and Data Science, and my enthusiasm pushed me to learn more about these technologies and advance my career goals. I decided to pursue a Masters in Computer Science in order to strengthen my entrepreneurial goals and keep up with the present growth phase.

I've always performed well in school, where I discovered my natural aptitudes for mathematics, physics, and chemistry, which I intended to pursue as a major throughout my pre-university studies. After completing intermediate school with a 95.8%, I pursued Computer Science Engineering by enrolling in Lovely Professional University's undergraduate program and graduating with a 77.5%. It was the right move I could have made because it ignited my interest in topics like Programming Languages, Operating Systems,Computer Architecture, Database Management Systems, and Design and Analysis of Algorithms. Academics have always taken centre stage in my life, and in terms of co-curricular activities, I have participated in the *All India Inter University (AIIU) Competition* for three years in a row with my university's American football squad (2017-2020).And this journey demonstrates what I am capable of, from bench player to team captain. We earned a gold medal in the North Zone flag football tournament, two silver medals in the AIIU flag football tournament, and two silver medals in the AIIU American football tournament. In addition, at the national level, I served as the captain of my state.

My childhood interest in gaming led me to build a *"Connect4 Game GUI-based desktop application,"* as part of my Java programming coursework, and I went on to develop this project by using JavaFX to understand the off-screen mechanics of games.The COVID situation around the world motivated me to help people in some way, so I created a *"COVID Vaccine Registration Web Application,"* an end-to-end web application developed by using an entity framework database first approach by using Microsoft SQL Server, creating user interfaces with CSS and Bootstrap, and using ASP.NET MVC to build RESTful APIs, which also led me to understand the scenarios behind the vaccine supply chain. Working on such projects greatly enhanced my exposure to practical knowledge.

I was always ahead of the curve in terms of web technologies, which helped me land my first job as an intern in my 7th semester, where I successfully completed my internship with a 98.5% performance percentage and converted into a *Full Stack .Net Engineer* at *Cognizant Technology Solutions*, where I was responsible for a variety of duties such as writing, reviewing, and rewriting programs, using workflow charts and diagrams, and applying my knowledge of computer capabilities. And as a collaborative team player that plays a key role in a scrum team that develops and tests applications using C#.Net, ASP.NET MVC, ASP.NET Core WebApi, Javascript, React.js, REST APIs, SQL Server, and AZURE, practical knowledge of databases and analysis, attention to detail, and the ability to work under pressure. In addition, I have completed certifications in

Microsoft Azure Fundamentals (AZ-900) and *Microsoft Azure Data Fundamentals (DP-900)* to advance my cloud knowledge.

However, I was unsatisfied with what I learned in college or with my current job as my technological curves could not match with my monthly wage. I decided to advance my career by obtaining a Master of Science in Computer Science to help me achieve my long-term goal of being a successful entrepreneur through the advancement of trending technologies. As a result, I can keep myself updated with these technologies, which will help me get some transparency towards my start-up ideas.

I decided to pursue my higher education in the USA. because it is the world's leading hub for technological innovation. Furthermore, the United States is known for its world-class education system and cutting-edge research opportunities. when I was considering Kent State University, I was extremely impressed by the feedback from students, and the collaborative partnership between students and faculties is what genuinely defines your university education.

The Computer Science Program at Kent State University, as well as your well-structured program curriculum, which includes all of the essential courses such as Internet programming, Advanced Operating Systems, and Advanced Database Concepts, as well as other electives that align with my interests, will assist me in achieving both my short-term and long-term goals. I am confident that the coming years will be the most engaging of my life because I have a lot of lessons to learn along the way. My educational experience has taught me the art of focusing on my goals, and I now want to advance my career with an internationally recognised degree. I genuinely hope that Kent State University will accept my profile and that the hard work I have put in over the years will help me achieve admission.