

STATEMENT OF PURPOSE

Computer systems have become an integral part of our daily lives, and their impact on society has been profound. As a child, I was always captivated by the concept of computers how they work and how they can be used to accomplish various tasks. During my 8th grade, I had the opportunity to participate in a Robotics club activity. I was extremely fascinated by the process of designing and building a robot and programming it to perform certain tasks. Around the same time, I came across an article about how Japan used their robots as waiters in a hotel. Seeing the concept of machines taking over tasks that were once exclusively performed by humans intrigued me. I was more curious on How it worked and that's when I got introduced to AI. This sparked my interest and I started exploring the field of AI in depth and was captivated by its broad applications. My exploration of the technology behind these machines led me to realize the vast possibilities in creating intelligent systems that could stimulate similar to human's intelligence. This realization sparked my motivation to pursue a career in AI and make a meaningful contribution to the field.

During my academic career, I have studied a range of subjects related to computer science, including programming languages such as C-C++, Visual Basic and Python, as well as data structures and algorithms, computer networks, and operating systems. I would take advantage of all the options provided by my school, including participating in coding competitions and other events like final year projects related to computer science. These opportunities would allow me to apply the theoretical concepts learned in the classroom to real-world problems and expand my knowledge beyond the curriculum. The values I have learnt from these activities has enhanced my skills and knowledge in this field.

I am passionate about pursuing an undergraduate degree in Computer Science with a specialization in Artificial Intelligence (AI), I strongly believe that this field has the potential to bring about a revolutionary change in the way we interact with technology and the world around us. As previously mentioned on

how I was amazed by the process of designing and building a robot to perform tasks, that experience made me curious about AI machines and I am eager to learn more about the underlying concepts and technologies.

One such area of specialization that particularly interests me is the Machine Learning, which focuses on the use of data and algorithms to imitate the way that humans learn.

Through this program, I aim to enhance my technical skills in areas such as programming, data analysis and machine learning, and gain a deeper understanding of the theoretical foundations of AI. Apart from these, I will also have an opportunity to improve my problem solving, critical thinking and other social skills.

My background in computer science and my passion for pursuing Artificial Intelligence as a career have led me to a short-term specific goal of working in the field of Machine Learning. After completing my undergraduate studies, I aim to work as a Machine Learning Engineer at a leading tech company such as Google or Microsoft, where I can gain experience with a range of learning opportunities that can help me develop both personally and professionally. I am particularly interested in designing, implementing and optimizing machine learning algorithms.

In the long term, my goal is to become a leading researcher in the field of Artificial Intelligence and work on Robots. As a robotic engineer, I would aim to design and develop robots that can perform tasks efficiently and autonomously, while also being safe and reliable. I believe that the integration of AI and Robotics has the potential to transform various industries, such as manufacturing, healthcare, and transportation, and I am confident that I can make significant contributions to the field and achieve my long-term goals. I aspire to work on cutting-edge technologies and develop innovative solutions that can solve complex real-world problems.

I believe that pursuing my bachelors at keele University will provide me with the skills, knowledge, and opportunities necessary to achieve my career goals in the field of Artificial Intelligence. Keele is world-renowned for its breadth of teaching and research that tackles the world's most urgent problems. The vast

portfolio of study options and entry points on offer reflects this ambition, providing students with the opportunity to choose from a vast selection of on campus degrees. Keele University also has clubs and societies, which is a great way to meet new people, gain new skills, and experience new opportunities. Additionally, Keele offers a wide range of clubs and activities that align with my interests in sports, academics and others. Furthermore, the university's partnerships with various industries provide valuable opportunities for internships and research collaborations, which will enhance my profile and prepare me for my future career in AI.

Along with the academics, I am keen on participating in extracurricular activities to enhance my overall university experience. As a sports enthusiast, I would like to join the university's sports club to explore my interests. Additionally, I am also interested in joining the Mathematics Society to further develop my analytical and problem-solving skills. Through these I intend build strong connections with my peers and contribute to the community in a meaningful way. I believe that the extracurricular activities at Keele University will provide me with ample opportunities to enhance my skills.

The opportunity to pursue this course at Keele University would enhance my skills. I am confident that my skills and dedication make me a suitable candidate for this degree and I am excited for the opportunity to contribute to the university community. I am eager to continue expanding my knowledge and expertise in this rapidly growing field.

Looking forward for a positive response from your end.

Regards,

ADHITHYA VEL M V

