STATEMENT OF PURPOSE

My journey into the realm of artificial intelligence has been marked by a blend of academic rigor and hands-on experiences that have shaped my passion for this field. From a young age, I have been fascinated by the potential of technology to solve complex problems and drive innovation. This fascination led me to pursue my education at Kendriya Vidyalaya No. 1, where I excelled academically, achieving notable marks in my Class X and XII examinations. My undergraduate studies at KMEA Engineering College further solidified my interest in computer science, providing me with a robust foundation and a degree in Engineering.

During my time at KMEA, I embarked on several projects that bridged the gap between theoretical knowledge and practical application. One such project was the development of Thelima, an app designed to enhance user experience through intuitive design and functionality. This project not only honed my technical skills but also ignited my passion for creating impactful software solutions.

My professional journey at Tutar Infusory Pvt Ltd as a 3D Generalist and later as an Animation and Rigging Specialist allowed me to combine creativity with technical expertise. I created thousands of 3D models using Maya and ZBrush, collaborating with my team to optimize these models for web integration using shell scripts. This role enhanced my ability to work on complex projects and innovate within the constraints of real-world applications.

A pivotal moment in my academic career was a project that involved developing an AI system capable of engaging in conversational interactions through text to speech and emotional intelligence through prompt engineering. This project showcased the transformative potential of AI and solidified my decision to specialize in this field. The experience of creating an intelligent system that could learn, adapt, and perform complex tasks autonomously inspired me to seek further knowledge and skills in artificial intelligence.

Kaunas University of Technology (KTU) in Lithuania stands out as the ideal institution for advancing my studies in artificial intelligence and informatics. Lithuania, with its burgeoning tech industry, provides a dynamic and innovative environment that is perfect for cutting-edge research and development. KTU's strategic location in Kaunas, a city known as the Baltic IT hub, offers an excellent backdrop for academic and professional growth.

KTU's MSc Artificial Intelligence in Computer Science program is renowned for its comprehensive and forward-thinking curriculum. The program offers an in-depth study of modern AI methods, cloud computing, data analysis, project

management, virtual reality, and 3D modeling. This aligns perfectly with my aspirations. The opportunity to specialize early, particularly in Image Synthesis and Analysis, presents a pathway to deepen my expertise in areas that fascinate me.

The university's approach to integrating practical research problems and tasks within its curriculum is particularly compelling. Special attention is given to these aspects during the third semester through collaboration with university research groups and business companies. This hands-on approach ensures that students not only acquire theoretical knowledge but also develop practical skills to tackle real-world challenges. Additionally, KTU's participation in the Erasmus+ program and membership in the ECIU university network provide valuable opportunities to study at leading European universities, enriching the academic experience with a global perspective.

The unique MA+ study model at KTU offers flexibility to either specialize in a chosen field or strengthen interdisciplinary competencies through elective study paths in Business, Data Security, Project Management, or other fields. This approach allows for a tailored educational experience that aligns with individual career goals.

Graduates of KTU's MSc program gain a deeper understanding of Applied Informatics and Artificial Intelligence, enabling them to independently conduct scientific research, develop intelligent IT solutions, and lead IT projects. The program equips students with the skills to become IT systems architects, project managers, systems analysts, and researchers, positioning them for successful careers in the dynamic tech industry.

KTU's strong links with local industry facilitate cooperative placements, collaborative research, and employment opportunities, providing a seamless transition from academia to the professional world. The thriving IT ecosystem in Lithuania and the broader Baltic region offers extensive career prospects for graduates.

Post-graduation, I envision contributing to the software development industry by devising AI-driven solutions that address complex challenges. My focus will be on leveraging the advanced techniques and insights gained at KTU to foster innovation in artificial intelligence and related fields.

This program at KTU promises to be a pivotal step in my career, offering not just knowledge but the skills to apply it effectively in real-world scenarios. I am eager to immerse myself in this vibrant academic community and collaborate with peers and faculty who share my passion for technology and innovation.

Thank you for considering my application. I look forward to the possibility of contributing to and growing with Kaunas University of Technology.

Sincerely

ANANTHAKRISHNAN T.M