

STATEMENT OF PURPOSE

I am writing to express my sincere interest in the Master's program in Artificial Intelligence in Computer Science at Kaunas University of Technology. Drawn to the university's reputation for academic excellence, innovative research, and its commitment to fostering global researchers, I am eager to contribute to and benefit from the unique learning environment that Kaunas University of Technology provides.

Having earned my bachelor of Engineering in Electronics & Communication(**ECE**) at Hyderabad from **CVR** College Of Engineering an esteemed institution under Jawaharlal Nehru Technological University(**JNTU**), I have developed a strong foundation in Communication .My academic journey has been characterized by a deep-seated curiosity about the intersection of design, research and testing of electronic devices and technology issues related to telecommunications systems, which has prepared me for the challenges inherent in the field of electronics.

During my academic pursuits, I actively engaged in workshops in my college that allowed me to explore the complexities of communication. These experiences not only enhanced my analytical and technical skills but also solidified my commitment to contributing to informed and effective technical decisions.

As an Electronics engineer, I look for graduate study to refine my knowledge and skills in my areas of interest. I believe it will also serve to give direction to my goal of a career as a research oriented organisation.

My project work during my final year of undergraduate course was “ **Filter Design for Autoregressive Moving Average(ARMA) Graph Filters** ”, ARMA filters outperform FIR graph filters in terms of approximation accuracy and they are suitable for signal interpolation, compression and prediction. ARMA is a special case of the regular FIR filters, while both filters have Impulse responses. ARMA filters excel in reducing noise in an Image.

I am particularly drawn to the Artificial Intelligence program at Kaunas University of Technology because of its emphasis on research and practical based teaching style in Artificial Intelligence program and technology-driven solutions. The opportunity to learn from esteemed faculty members, further inspires my academic aspirations.

Furthermore, I am excited about the prospect that KTU is a research leading university by providing research-based studies and encouraging the students to grow technically innovative by meaningful discussions, and collaborating on projects that address real-world technical challenges. Beyond academics, I am eager to become an active member of the KTU community. I am keen to participate in student-led AI initiatives, engage in workshops and attend conferences to stay updated with the latest advancements in technology. Beyond academics I am eager to become an active member of the KTU community.

In conclusion, I am confident that the Master's program in Artificial Intelligence in Computer Science at KTU campus is the ideal platform for me to not only gain expertise in this dynamic field but also to contribute meaningfully to the ongoing research efforts . I am enthusiastic about the opportunity to be a part of the vibrant academic environment at KTU campus.

Thank you for considering my application. I look forward to the possibility of joining the KTU campus and contributing the legacy of excellence in Artificial Intelligence in Computer Science.

Sincerely,

KATROTH MAHESH