Dear Yin Jun Phua-sensei,

I hope this email finds you well. My name is Krish Bakshi, and I am writing to express my keen interest in contributing to your research field in artificial intelligence, machine learning, neural-symbolic systems, and logic programming at the Tokyo Institute of Technology, and applying for the master’s program for the Fall/September 2025 intake. Your groundbreaking work, particularly your publications such as *"Variable Assignment Invariant Neural Networks for Learning Logic Programs"* and *"Future-proofing Class-Incremental Learning,"* deeply inspires me and aligns closely with my academic aspirations.

I am currently pursuing a Bachelor’s degree in Computer Engineering at Savitribai Phule Pune University, where I have developed a strong foundation in machine learning, deep learning, and computational modeling. I also have a strong academic record with an 8.5 CGPA. My coursework in Probability and Statistics and Machine Learning has prepared me to tackle challenges in advancing AI and logic-based reasoning systems.

During my Data Science Internship at Profcess, I contributed to designing and deploying scalable data pipelines for time series forecasting, utilizing tools like Azure Databricks. I developed predictive models, including XGBoost and SARIMA, which enhanced forecasting accuracy. My project portfolio includes PulseMate, an AI-powered chatbot using fine-tuned large language models for real-time medical applications, and ImaginAIry, a text-to-image generation app leveraging Stable Diffusion XL. These projects refined my technical expertise in Python, TensorFlow, PyTorch, and graph-based machine learning frameworks, aligning with the technical demands of your research.

In addition, my Practical AI with Python certification reflects my commitment to advancing my skills in AI, while my Japanese proficiency (JLPT N3) qualifies me to integrate seamlessly into your academic environment and collaborate effectively in a Japanese research setting.

What excites me most about your research is the focus on neural-symbolic integration and graph neural networks to handle noise and uncertainty, as well as the exploration of logic-based AI systems for scalable learning. Your work on *"DEGNN: Dual Experts Graph Neural Network Handling both Edge and Node Feature Noise"* particularly resonates with my interest in combining symbolic and subsymbolic AI approaches to solve real-world problems.

Under your guidance, I aspire to contribute to the development of innovative frameworks that push the boundaries of explainable AI and robust learning systems. I am eager to bring my skills in neural networks, optimization, and computational reasoning to support your lab’s ongoing research.

Thank you for considering my application. I would be honored to discuss how my skills and experiences align with your research objectives. I look forward to the possibility of collaborating and learning under your esteemed mentorship.

**Sincerely,**

Krish Bakshi