Dear Sugiura Komei-sensei,

I hope this email finds you well. My name is Krish Bakshi, and I am writing to express my strong interest in contributing to the research at Semantic Machine Intelligence Lab (SMILAB) and applying for the master’s program at Keio University for the Fall/September 2025 intake. Your work in machine intelligence, intelligent robotics, and deep learning, particularly your publications such as *"Learning-To-Rank Approach for Identifying Everyday Objects Using a Physical-World Search Engine"* and *"Trimodal Navigable Region Segmentation Model: Grounding Navigation Instructions in Urban Areas,"* deeply resonates with my academic pursuits and career aspirations.

I am currently pursuing a Bachelor’s degree in Computer Engineering at Savitribai Phule Pune University, where I have built a solid foundation in machine learning, robotics, and computational modeling, maintaining a strong academic record of 8.5 CGPA. My academic coursework in Probability and Statistics and Machine Learning has equipped me with the skills necessary to address challenges in developing intelligent systems.

During my Data Science Internship at Profcess, I contributed to the design and deployment of scalable data pipelines for time series forecasting, leveraging tools like Azure Databricks. Additionally, I developed and optimized machine learning models, including XGBoost and SARIMA, and worked on projects involving computer vision and LLM-based applications. My project portfolio includes PulseMate, a cardiology chatbot that uses fine-tuned LLMs for real-time knowledge retrieval, and ImaginAIry, a text-to-image generation app powered by Stable Diffusion XL, showcasing my expertise in generative AI and its practical applications.

In addition, my Practical AI with Python certification reflects my commitment to advancing my knowledge in AI and its subfields. Furthermore, my Japanese proficiency (JLPT N3) qualifies me to collaborate effectively in a Japanese academic and research setting, fostering seamless integration into your lab’s activities.

What excites me most about SMILAB is its focus on robotics-driven AI solutions and the development of navigable AI systems that bridge the gap between theoretical advancements and real-world applications. I am particularly inspired by your work on integrating machine learning models for spatial understanding and navigation, as it aligns with my passion for creating impactful AI-driven solutions.

I am eager to bring my skills in Python, TensorFlow, PyTorch, and robotics systems to contribute to your lab’s cutting-edge research. Under your guidance, I hope to explore new frontiers in intelligent robotics and deep learning.

Thank you for considering my application. I would be honored to discuss how my skills and experiences align with your lab’s objectives. I look forward to the possibility of collaborating and contributing to your innovative research.

**Sincerely,**

Krish Bakshi