Dear Professor MATSUTANI, Hiroki-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 your Matsutani Lab and applying for the master’s program at Keio University for the Fall/September 2025 intake. Your research work in Computer Architecture, Machine Learning, Distributed Systems, particularly your recent research theme of On-device learning strongly aligns with my academic goals and career ambitions.

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.

My internships have equipped me with valuable skills in data science, machine learning, system automation, and web development. At Profcess, I designed scalable data pipelines and optimized models like XGBoost and ARIMA, enhancing my understanding of data processing and machine learning, which will support research in distributed systems and machine learning architectures. Leading RPA initiatives at Proazure Solutions honed my expertise in system optimization and automation, key for improving distributed systems. Additionally, my work at RB Tech Services in full-stack web development strengthened my knowledge of database management and real-time data flow, providing a strong foundation for contributing to research in computer architecture. These experiences have prepared me to assist in your research and contribute to advancements in these areas.

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 Matsutani Lab is its focus on lightweight fine-tuning of Deep Neural Networks and On-device learning at the edge as it aligns with my passion for optimizing machine learning models for real-time, resource-efficient applications.

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 big data and data science.

Thank you for considering my application. I would welcome the chance to discuss how my skills and experiences align with the objectives of your lab. I am eager to contribute to and collaborate on your innovative research.

**Sincerely,**

Krish Bakshi