Dear Professor, TAKAMICHI, Shinnosuke-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 Takamichi Laboratory and applying for the master’s program at Keio University for the Fall/September 2025 intake. Your research works in Intelligence science and technology, spoken language processing, Audio processing, Deep learning & Signal processing, 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 internships, I gained hands-on experience that significantly sharpened my passion for Generative AI and deep learning. As a Data Science Intern at Profcess, I contributed to building scalable data pipelines and optimized machine learning models like XGBoost, ARIMA, and SARIMA, enhancing my skills in time series forecasting and data processing. At Proazure Solutions, I led the automation of workflows through Robotic Process Automation (RPA), improving efficiency by 30%, which strengthened my abilities in AI-driven automation. Additionally, my role as a Web Development Intern at RB Tech Services helped me develop full-stack development skills, enabling me to integrate AI models into web applications seamlessly. These experiences have equipped me with crucial skills in data processing, machine learning, deep learning, and automation, which will be invaluable for contributing to research in Intelligence Science, Speech and Audio Processing, Deep Learning, and Signal Processing in your lab.

Additionally, 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 Takamichi Laboratory is its focus on the theory, machine learning, data resources, and human interaction concerning audio, speech, and music signals, as well as spoken language information that bridge the gap between theoretical advancements and real-world applications. I am particularly inspired by your work on machine learning, data resources, and human interaction, as it aligns with my passion for leveraging advanced technologies to solve real-world problems by enhancing human experiences through intelligent, data-driven systems.

I am excited to apply my skills in Python, TensorFlow, PyTorch, and robotics to contribute to your lab's groundbreaking research. With your guidance, I look forward to exploring new frontiers in artificial intelligence 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