Dear Hiroaki Yamada-sensei,

I hope this message finds you well. My name is Krish Bakshi, and I am writing to express my sincere interest in contributing to the innovative research at Tokunaga Lab and applying for the master’s program at the Tokyo Institute of Technology for the Fall/September 2025 intake. Your work in natural language processing (NLP) and computational linguistics, particularly your publications such as *"Developing and Validating an Online Module for Formative Assessment of Summary Writing with Automated Content Feedback for EFL Academic Writing Instruction"* and *"Japanese Tort-Case Dataset for Rationale-Supported Legal Judgment Prediction,"* deeply inspires me and aligns closely with my academic and career aspirations.

I am currently pursuing a Bachelor’s degree in Computer Engineering at Savitribai Phule Pune University, where I have developed a solid foundation in machine learning, deep learning, and computational linguistics aside from maintaining a strong academic record of 8.5 CGPA. My coursework in Probability and Statistics and Machine Learning has equipped me with the analytical skills necessary to approach complex problems in NLP and related fields.

During my Data Science Internship at Profcess, I worked on various data-intensive projects, including the development of PulseMate, a cardiology chatbot leveraging OpenAI’s ChatGPT 3.5. This project involved fine-tuning language models with domain-specific data to deliver context-aware responses and integrating retrieval-augmented generation (RAG) for real-time knowledge retrieval. Additionally, my hands-on experience in building a sales forecasting model using XGBoost and a text-to-image app utilizing Stable Diffusion XL demonstrates my ability to develop and deploy AI-driven solutions effectively.

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

What excites me most about your lab is its focus on interpretable NLP systems and leveraging linguistic data for real-world applications, such as summarization models and legal judgment prediction. I am particularly intrigued by your recent work on *"Analyzing Interpretability of Summarization Model with Eye-Gaze Information,"* which aligns with my interest in advancing human-computer interaction through natural language understanding. I am eager to contribute to your lab’s cutting-edge research and explore innovative applications of NLP under your guidance.

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 learning under your esteemed mentorship.

**Sincerely,**

Krish Bakshi