Dear Suguru Saito-sensei,

I hope this email finds you well. My name is Krish Bakshi, and I am writing to express my interest in contributing to the research at Saito Laboratory and applying for the master’s program at the Tokyo Institute of Technology for the Fall/September 2025 intake. Your expertise in computer graphics, image processing, human vision, and color science, as reflected in your publications such as *"Latent Diffusion Models for Image-Guided Material Generation"* and *"Implementation of Global Illumination within Image-Based Distributed Rendering Architecture,"* deeply inspires me and aligns closely 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 strong foundation in machine learning, computer vision, and image processing and have maintained a strong academic record of 8.5 CGPA. My coursework in Data Structures, Probability and Statistics, and Machine Learning has equipped me with the skills necessary to address complex challenges in computer graphics and image synthesis.

During my Data Science Internship at Profcess, I designed and implemented an automated image preprocessing pipeline for OCR, achieving 87% accuracy through advanced noise reduction and grayscale conversion techniques. Additionally, I have worked on time series forecasting and scalable data pipelines using tools like Azure Databricks and PySpark. My project portfolio includes the development of ImaginAIry, a text-to-image generation app leveraging Stable Diffusion XL, and a CNN-based model for plant disease classification using CUDA for accelerated processing. These experiences have honed my technical expertise in Python, TensorFlow, PyTorch, and image processing frameworks, enabling me to contribute meaningfully to your lab’s innovative research.

In addition, my Practical AI with Python certification underscores my commitment to advancing my expertise in AI and its applications, while my Japanese proficiency (JLPT N3) enables me to integrate seamlessly into your academic environment and collaborate effectively within a Japanese research setting.

What excites me most about your lab is its focus on integrating computer graphics and human vision for innovative solutions in material generation, rendering, and artistic tools. I am particularly intrigued by your work on *"A Method to Retrieve Drawings as References for Animators,"* as it aligns with my interest in developing AI-powered tools to enhance creative workflows. I am eager to explore how advanced models and rendering techniques can be combined to create novel solutions 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 opportunity to collaborate and contribute to your cutting-edge research.

**Best Regards,**

Krish Bakshi