**Prompt Template:**

"I need to draft a professional email to a professor regarding my interest in contributing to their research lab and applying to their master’s program. Below is the structure of the email. The professor's details will be added in placeholders, and my information must be automatically extracted from the attached resume (customized for each research focus). Please ensure the email is formal, personalized, and highlights my qualifications and alignment with their research.

**Email Template with Placeholders:**

Dear {Professor's Name},

I hope this message finds you well. My name is [Extract Full Name from Resume], and I am writing to express my sincere interest in contributing to the impactful and innovative research conducted at your laboratory. Your work in {Professor's Research Areas} has greatly inspired me and aligns deeply with my academic background and career aspirations.

Your groundbreaking research in {Specific Projects or Research Topics}, along with your achievements such as {Notable Achievements, Awards, or Publications}, exemplifies your leadership and dedication to advancing {Field or Domain}. I am particularly drawn to your work in {Specific Research Details}, as it closely relates to my experience in [Extract Relevant Projects and Experience from Resume].

I am currently pursuing [Extract Academic Background: degree, university, and GPA]. With a strong foundation in [Extract Technical Skills], I have worked on projects such as [Extract Relevant Projects], which have equipped me with hands-on experience in {Skills/Tools Relevant to Their Research}. Additionally, my **certification in Practical AI with Python** demonstrates my commitment to continuously advancing my expertise in AI and machine learning.

Further, my proficiency in Japanese, certified by the **JLPT N3**, positions me as a strong candidate to integrate seamlessly into your research environment and collaborate effectively within a Japanese academic setting.

What excites me most about your lab is {Specific Aspects of the Professor’s Lab or Approach, such as interdisciplinary research, applications in healthcare, or AI-driven solutions}. I believe my skills in {Extract Skills from Resume} and my passion for applying technology to real-world challenges can contribute meaningfully to your ongoing projects.

I am eager to bring my expertise, creativity, and enthusiasm to your team and contribute to the groundbreaking research at your laboratory. I have attached my resume for your review and would be honored to discuss my qualifications and potential contributions further.

Thank you for considering my application. I look forward to the opportunity to collaborate and learn under your guidance.

Sincerely,  
[Extract Full Name from Resume]

**Instructions for Customization:**

1. Replace the placeholders with the following:
   * {Professor's Name}: Add the professor's name.
   * {Professor's Research Areas}: Mention the professor’s primary research areas.
   * {Specific Projects or Research Topics}: Specify research topics that resonate with your interests.
   * {Notable Achievements, Awards, or Publications}: Highlight achievements relevant to your field.
   * {Specific Research Details}: Add details about the professor’s research that align with your skills.
   * {Field or Domain}: Mention the broader field of research.
2. Attach the resume tailored to the professor’s research focus.
3. Automatically extract:
   * Name, Academic Background, Technical Skills, and Relevant Projects from the attached resume.
4. Keep **Japanese N3 proficiency** and **Practical AI certification** static in every email.