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Hiring Manager
Intercontinental Exchange (NYSE ICE)

Dear Hiring Manager,

I am writing to express my interest in the Data Analyst I role at Intercontinental Exchange (NYSE ICE), as advertised. With a strong background in data science, machine learning, and natural language processing (NLP), combined with hands-on experience in developing cutting-edge solutions for real-world applications, I am excited about the opportunity to contribute to your team.

During my tenure as a Data Science Intern at FN MathLogic Consulting Services, I spearheaded projects focused on Conversational Question Answering Systems using Large Language Models (LLMs) and document parsing for question answering. I successfully explored LLM memory retention methods, implemented transfer learning techniques on Microsoft's DialoGPT model, and achieved significant improvements in model performance. Additionally, I led efforts to transform policy documents into usable data chunks and employed Flan-T5 models for answer generation, showcasing my expertise in NLP and data processing.

My previous internships at Street Style Store Company and Supratech Lab further honed my skills in machine learning, classification, and data analysis. I successfully developed models to improve user experience, identify crucial biomarker genes for IVF treatments, and conducted research on machine learning applications in milk foam analysis and chest X-ray disease detection.

In addition to my technical skills, I bring strong interpersonal and communication abilities, analytical thinking, and a results-oriented approach to problem-solving. My academic achievements, including my dual degree in Biological Sciences from the Indian Institute of Technology Madras, and involvement in various extracurricular activities demonstrate my dedication, adaptability, and leadership capabilities.

I am particularly drawn to Intercontinental Exchange's commitment to innovation and its diverse, collaborative work environment. I am eager to leverage my skills and experience to contribute to the enhancement of Bonds & CDs pricing data for your Derivative Business, driving impactful solutions that meet the needs of global market participants.

Thank you for considering my application. I am enthusiastic about the opportunity to discuss how my background, skills, and passion for data science can contribute to the success of your team. Please find my resume attached for further details.

Warm regards,
Harsh Sagar