Subject: Application for AI Engineer (Python) Position

Dear Shiv Bora,

I am writing to express my strong interest in the AI Engineer (Python) position at Samsung . My experience and passion for machine learning, coupled with my previous internship at Samsung R&D Institute Delhi and the subsequent offer of a Pre-Placement Offer (PPO), have equipped me with valuable skills and knowledge that align seamlessly with the responsibilities and requirements outlined in the job description.

During my tenure as a Software Development Intern at Samsung, I collaborated with the Cloud Data Team to enhance search engine results, employing Python and relevant APIs to optimize search quality. My ability to understand complex business requirements and translate them into technical solutions was instrumental in delivering key findings to a team of 25 members. This experience honed my proficiency in Python which further honed my proficiency in machine learning frameworks like TensorFlow and PyTorch, allowing me to effectively design and implement machine learning models and algorithms.

One of my significant achievements apart from my internship at Samsung was my involvement in the G-Research Crypto Forecasting competition on Kaggle, where I integrated LSTM and Temporal Attention Network to predict price movements in cryptocurrencies. Achieving a spot in the top 14% among approximately 2000 teams speaks to my proficiency in machine learning algorithms, feature engineering, and model optimization.

In addition to my practical experience, I possess a strong academic foundation with a Bachelor's degree in Electronics and Communications Engineering from the Indian Institute of Technology Guwahati. My coursework included Applied Machine Learning, Data Structures, and Signals and Systems, further solidifying my technical skills and knowledge.I am highly proficient in Python and its relevant libraries, and possess a solid understanding of data visualization tools and techniques, such as Matplotlib. Furthermore, my knowledge and my experience deploying applications on platforms like Heroku, allows me to contribute effectively to a collaborative and innovative work environment, as mentioned in the job description.

Joining Samsung as an AI Engineer is an exciting prospect for me, as it would not only enable me to apply and expand my technical skills but also contribute to cutting-edge projects within a collaborative team. I am eager to bring my passion, problem-solving skills, and strong communication abilities to the table, and work towards advancing Samsung's goals and initiatives.

Thank you for considering my application. I have shared my resume for your perusal. I look forward to the opportunity to further discuss my qualifications and how I can contribute to Samsung's success as an AI Engineer.

Sincerely,

Y.Sairaaj Patro