Kumar Sahab

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Dear Hiring Manager,
I am writing to express my strong interest in the AI/ML role at your company.

With a solid foundation in software engineering and a deep technical background in artificial intelligence, I bring over **six years** of industry experience, three years in **full-stack development** and three years in **AI/ML engineering**. My enthusiasm for engineering and software development has refined my capabilities in crafting clean, efficient, and robust code, and I am eager to bring these skills to your esteemed company.

I embarked on my software development journey at **Cognizant** as a **full stack developer**, where I played a pivotal role in developing a sophisticated web application for a leading American insurance company. This experience enriched my understanding of software design and development principles, OOPs, and design patterns, which are crucial for building scalable and sustainable software solutions.

My contributions included the implementation of over 20 significant enhancements and new features, which markedly improved the user experience. Additionally, I addressed over 50 critical and high-priority technical issues, effectively mitigating production challenges at scale. My efforts also extended to the technological advancement of more than 10 web applications.

In the subsequent phase of my career, I was privileged to join the team at **Samsung Research** as a **Senior Machine Learning Engineer**. My tenure was characterized by an in-depth exploration of avant-garde AI technologies, with a particular emphasis on **natural language processing (NLP)** and **computer vision**. I was entrusted with the comprehensive development and deployment of deep learning solutions, a responsibility that spanned the entire gamut of tasks from data collection, preparation, cleaning, and preprocessing to model development, training, compression, and deployment.

My work involved pioneering state-of-the-art AI technologies in the field of Natural Language Processing and Computer Vision. I successfully developed three end-to-end models utilizing **transformers** and **CNN** architectures from the ground up. Additionally, I played an instrumental role in the creation of two other deep learning models and the establishment of an on-device model training pipeline using Open Neural Network Exchange (**ONNX**), furthering the frontier of AI innovation. These efforts contributed to the AI features on flagship Samsung smartphones and earned me **two Samsung Excellence Awards** and **3 times recognition from peers as a technical expert**.

Currently, I serve as a **Senior Data Scientist** at **Aarki**, an advertising technology startup specializing in real-time bidding. My work focuses on developing and optimizing models across the bidding pipeline to ensure competitive pricing without compromising user acquisition. This includes large-scale data analysis, feature engineering, model experimentation, calibration, deployment, and monitoring.

I hold an **MTech.** in **Computer Science** from **NIT Jaipur** and am certified as a **Samsung SWC Professional** and **Workera AI Expert**. My high success rate in the technical field during my academic years and professional career is attributed to my quick learning ability and unwavering determination. While my professional life is deeply rooted in technology, my personal pursuits are driven by an innate curiosity to traverse new horizons and acquire novel competencies.

I am excited about the opportunity to contribute to your company's mission. I am looking forward to discussing how my background, skills, and enthusiasms align with the goals of your company. I am confident in my ability to make meaningful contributions to your team and am excited about the prospect of showcasing my capabilities.

Warm Regards,
Kumar Sahab