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24<sup>th</sup> February, 2024

Hiring Manager  
Fortinet

Dear Hiring Manager,

I am writing to express my interest in the Software Development Engineer position at Fortinet. With Dual Degree in Biological Sciences from the prestigious Indian Institute of Technology, Madras, and a strong background in software development and machine learning, I am confident in my ability to contribute effectively to your team.

During my tenure as an ML Engineer Intern at FN MathLogic Consulting Services, I spearheaded the development of a Conversational Question Answering System using Large Language Models (LLMs). My responsibilities involved exploring LLM memory retention techniques, achieving significant performance improvements with a 60% ROUGE SCORE on Microsoft DialoGPT LLM, and implementing Reinforcement Learning from Human Feedback finetuning methods. Additionally, I developed both the frontend and backend components of the system, utilizing technologies such as Node.js and FastAPI, ensuring scalability and reliability.

In addition to my professional experience, I have undertaken various research endeavors, including a significant project at IIT Varanasi, where I contributed to the field of Machine Learning for Milk Foam Analysis. My research not only resulted in a published paper in Springer Nature but also showcased my ability to collaborate with interdisciplinary teams and deliver impactful results.

Furthermore, my proficiency in a wide range of programming languages and frameworks, including Python, FastAPI, Django, and Angular, aligns well with the requirements of the Software Development Engineer position at Fortinet. I am particularly excited about the opportunity to leverage my skills in building scalable and secure backend and front-end systems, while also staying abreast of the latest technologies and best practices in software development.

I am enthusiastic about the prospect of joining the innovative team at Fortinet and contributing to the development of cutting-edge software solutions. Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with the needs of your team.

Warm regards,  
Harsh Sagar