January 21, 2024

Dear Hiring Committee,

It is with great excitement that I submit my application for the Junior Data Scientist role at PepsiCo. My diverse expertise in Mechanical, Data, and Machine Learning Engineering, aligns closely with your organization’s pursuit of innovation and technical aspirations. My journey at Candu Energy, beginning as a Project Coordinator, has been a transformative period of professional growth and personal resilience. In a demanding environment where I **juggled 12 consecutive 14-hour night shifts** at a Nuclear Plant, I simultaneously pursued further education through online courses and a Data Science Bootcamp. This challenging period not only tested my endurance but also shaped my work ethic, resilience, and adaptability. Within just 2 years, I progressed to **leading 9 critical projects that encompass 7 nuclear plants across 5 countries**. I am now eager to take on new challenges at PepsiCo, further advancing my skills in Machine Learning/ Data Science.

A highlight of my career is the development of the **Concrete Crack Detection Software**, which began as my boot camp capstone and was later adopted as a company-wide initiative, projected to **save ~$2 million over 5 years**. Recognizing an opportunity to integrate Machine Learning into our operations, I took the initiative to present it at my company’s "Shark Tank" where I **secured 750 hours of funding** and **won the People’s Choice Award.** I am currently enhancing the ML model, utilizing technologies such as RNN, GloVe, PyTorch, TensorFlow, and Keras. This accomplishment not only showcases my technical competency but also reflects my dedication to making a significant impact in my work – a level of commitment I am excited to bring to PepsiCo.

In addition, I **lead a team of 7 junior engineers**, training them in database development, and overseeing all written code. With limited supervision, I quickly learned skills in database design, project management, and leadership. **My performance, rated as “Exceeds Expectations” by senior leaders**, reflects my capacity for independent learning and effective team leadership. At PepsiCo, I look forward to applying these skills and experiences and contributing to your team's success.

Outside of work, **I express my creativity through photography, Photoshop, and website building**. I established my own wedding photography business, [PhotoXtra.ca](https://photoxtra.ca), and created the website using WordPress, custom CSS, JavaScript, and HTML, and in the process of learning React. I am always looking to explore opportunities to learn – which aligns well with PepsiCo’s culture of continuous innovation and growth.

Thank you for taking the time to review and consider my application. I look forward to the opportunity to discuss my candidacy in more detail.

Sincerely,

Sepehr Salimi

Enclosure:

Resume



