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HR
ZEFR
(Remote) Toronto, ON

Dear HR,

I am excited to apply for the Applied Data Scientist position at ZEFR. With a strong background in data science, extensive experience in Python and SQL, and a passion for innovative AI solutions, I am confident in my ability to contribute effectively to your team.

I hold a Master's degree in Computer Engineering from the University of Guelph, where my research focused on the application of transformer-based models for semantic data transmission. This involved developing and training models using PyTorch and implementing practical solutions on Xilinx SoC boards. My academic and professional experiences have provided me with a solid foundation in data structures, algorithms, and software design, as well as hands-on experience with neural networks and large language models.

In my role as a Graduate Researcher, I have developed and optimized various data processing workflows using tools such as Pandas and FastAPI. I am well-versed in using Snowflake for efficient data storage and retrieval, and have extensive experience with data management systems like PostgreSQL and AWS DMS. I also understand the intricacies of vector search and retrieval-augmented generation (RAG) systems, which are crucial for advanced AI solutions.

My experience managing a self-hosted home lab has equipped me with practical skills in containerization and orchestration using Docker and Kubernetes. This hands-on experience has taught me the importance of resource efficiency, scalability, and robust infrastructure maintenance, all of which are critical for developing reliable AI systems.

I am particularly impressed by ZEFR's tech stack, which includes advanced tools and platforms such as HuggingFace. My familiarity with these technologies, along with my strong foundation in MLOps practices, positions me well to contribute to your data science initiatives. I am committed to maintaining high standards of code quality through thorough testing and code reviews, and I am always eager to explore new technologies and creative solutions.

ZEFR's mission to leverage AI for impactful solutions aligns perfectly with my professional goals and interests. I am confident that my skills and experiences make me a strong fit for this role, and I am excited about the possibility of contributing to your innovative team.

Thank you for considering my application. I look forward to the opportunity to discuss how my background, skills, and enthusiasm can contribute to ZEFR's success. Please feel free to contact me at your earliest convenience to schedule an interview.

Sincerely,

Murtadha Saeed Nisyif