Vraj Shah

shahvraj2016@gmail.com

+19029941436

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Hiring Team
Cavallo

Subject: Application for **Data Engineer (Intern)**

Dear Hiring Team,

I am eager to apply for the Data Engineer role, excited by the opportunity to leverage my expertise in **data processing, ETL pipelines, and cloud technologies** to contribute meaningfully to your team. With a strong foundation in **Python, SQL, and cloud platforms**, I am passionate about transforming raw data into actionable insights and continuously expanding my skill set in **Azure Databricks, Synapse, and Power BI**.

During my tenure at **Simform Solutions**, I developed and optimized **scalable ETL pipelines** using **Python (Pandas) and SQL**, improving data ingestion and transformation speed by **40%**. I also **optimized complex SQL queries**, reducing execution times by **30%** for analytics workloads, and automated **CI/CD pipelines using GitHub Actions**, enhancing deployment efficiency by **50%**. My experience working with **FastAPI, Spring Boot, and Kubernetes** has honed my ability to build and maintain robust data infrastructure, ensuring efficiency and reliability.

Currently pursuing my **Master of Applied Computer Science at Dalhousie University**, I have deepened my expertise in **data warehousing and big data processing**. My academic projects include an **ETL pipeline for Twitter data**, where I automated **real-time data extraction and storage** using **Python, MySQL, and GCP**, optimizing query execution times by **40%**.

I am particularly drawn to this role as it aligns with my goal of expanding my expertise in **Azure-based data solutions** while contributing to a team that values innovation in data engineering. My ability to **analyze, govern, and optimize data workflows**, coupled with my enthusiasm for learning and collaboration, makes me confident in my ability to contribute effectively.

I would welcome the opportunity to discuss how my skills and experience align with your team's objectives. Thank you for your time and consideration. I look forward to the possibility of contributing to your organization.

Sincerely,
Vraj Shah