

Vraj Shah

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Hiring Team

Halifax Regional Municipality

Subject: Application for **Student Business Analytics Developer**

Dear Travis Newport,

With great enthusiasm, I am applying for the Student Business Analytics Developer position at Halifax Regional Municipality. As a Master of Applied Computer Science candidate at Dalhousie University, I am eager to contribute my analytical and technical skills to support data-driven decision-making within HRM's Digital Services team. With a strong background in database management, business intelligence, and data visualization, I am confident in my ability to add value to your team while gaining valuable hands-on experience.

During my previous role as a Software Engineer at Simform Solutions, I designed and optimized SQL databases, improving data retrieval speed by 50% through query optimization and efficient indexing strategies. I also collaborated with cross-functional teams to develop RESTful APIs, integrating real-time data analytics into web applications. Additionally, my experience working with CI/CD pipelines ensured seamless deployments, reducing system downtime and enhancing application stability. These experiences have refined my problem-solving skills and ability to translate business needs into actionable technical solutions.

Beyond my professional experience, I have a strong academic foundation in data management and analytics. Through coursework in **Data Warehousing and Deep Learning Applications**, I have worked extensively with **SQL, Python, Power BI, and data modelling techniques** to develop insightful reports and dashboards. My familiarity with **ETL processes, relational databases, and machine learning concepts** allows me to approach business problems with a structured and analytical mindset. I am particularly excited about the opportunity to work with tools like **Microsoft Power BI, SAP Business Objects, and ESRI ArcGIS**, as they align closely with my skill set and career aspirations.

What excites me most about this role is the opportunity to work on impactful projects that contribute to HRM's data strategy and business intelligence initiatives. I thrive in collaborative environments and enjoy solving complex problems that drive efficiency and innovation. I am eager to apply my technical expertise to support HRM's mission while learning from experienced professionals in the field.

I would welcome the opportunity to discuss how my skills and experiences align with your team's goals. Thank you for your time and consideration. I look forward to the possibility of contributing to Halifax Regional Municipality's data initiatives and would be happy to provide additional details upon request.

Sincerely,
Vraj Shah