Fadoua Doghmane . Jarvis Consulting

I am a Software Engineering graduate with hands-on experience in data integration, workflow automation, and analytics. Through my roles at CrucialLogics and BRP, I have built integrations using REST APIs, automated workflows with Azure Logic Apps to synchronize data between tools, designed Power BI dashboards, and delivered actionable data quality insights using SQL and Snowflake. I am passionate about leveraging data to improve processes, generate insights, and enable informed decision-making. I am seeking developer or data-focused engineering roles where I can apply my problem-solving skills, technical foundation, and ability to quickly learn and deliver solutions.

Skills

Proficient: SQL, DBMS (MySQL, Snowflake, PostgreSQL), Python, Power BI, REST APIs

Competent: Java, Docker, Linux, Pandas/Numpy, Data Modeling

Familiar: React JS, PyTorch, HTML/CSS/JavaScript, PySpark/Apache Spark, Azure Logic Apps

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_FadouaDoghmane

Linux Cluster Resource Monitoring App [GitHub]: Developed a lightweight Linux monitoring agent using Bash, Docker, crontab, and PostgreSQL to collect hardware specs and real-time usage metrics across multiple Rocky Linux hosts. Implemented hardware/usage collection scripts, containerized PostgreSQL backend, automated scheduling via crontab, and data analytics queries for performance monitoring.

Highlighted Projects

AI-Powered Waste Sorting: Developed a CNN-based waste classification model using Python and PyTorch. Implemented data preprocessing, visualization, model training, and performance evaluation to enhance recycling accuracy and reduce landfill dependency.

Food Assistance Analytics (Hackathon): Built analytical dashboards using Power BI and Excel to evaluate Montreals food assistance program distribution, generating insights on usage patterns and resource allocation.

Professional Experiences

Associate Consultant, CrucialLogics (May 2024- Present): Developed Power BI dashboards to deliver data-driven business insights, built integrations between enterprise tools using REST APIs and Azure Logic Apps, and deployed Copilot agents to automate workflows and enhance productivity. Collaborated with cross-functional teams to analyze requirements and design scalable automation solutions.

Data Quality Intern, Bombardier Recreational Products (BRP) (May 2023- Aug 2023): Collaborated with business units to improve data quality by generating Snowflake and Power BI reports, identifying data issues, and documenting processes. Contributed to template creation and workflow documentation to streamline team operations and enhance data reliability.

Education

Concordia University (2021-2025), Bachelor of Engineering (Software Engineering, Co-op), Gina Cody School of Engineering - Undergraduate Entrance Bursary (2021) - Engineering Excellence Scholarship (2022)

Champlain College Saint-Lambert (2019-2021), Diploma of College Studies (Health Sciences), Science - Honor Roll Student (2020, 2021)

Miscellaneous

- Reading thrillers and self-development books.
- Boxing regularly and trying various martial arts.
- Baking desserts from various cultures.