

Nicholas Laprade

ML/AL Developer

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Professional Summary

Machine Learning and Artificial Intelligence developer with a strong foundation in software engineering, data analysis, and model interpretability. Experienced in building interactive dashboards, deploying predictive models, and improving real-world systems. Skilled in reproducible machine learning pipelines, SHAP-based explanations, and creating tools that genuinely make people's lives easier. Seeking opportunities to contribute to impactful AI solutions and real-world projects that help users.

Experience

Sparkle Pharmacy / E-commerce Specialist

JUL 2024 - FEB 2025 · Aurora, Ontario

- Managed and optimized the pharmacy's e-commerce platform for performance, security, and user experience.
- Collaborated with pharmacists to launch customized supplement lines, increasing digital engagement.
- Revamped product listings to increase user engagement and applied SEO strategies that improved visibility, engagement, and overall store performance.
- Integrated inventory and POS systems with the online store to streamline operations.
- Improved site speed by 30%, mobile responsiveness, and accessibility for a smoother customer experience.

Projects

Prediabetes Risk Prediction Dashboard

OCT 2025

- Built an interactive dashboard to assess prediabetes risk using machine learning classifiers.
- Implemented manual input questionnaire and threshold-based classification logic.
- Integrated SHAP-based visualizations for model interpretability.

BMW Price Estimation Dashboard

SEP 2025

- Developed a regression-based dashboard to estimate BMW prices based on user inputs.
- Benchmarked Linear Regression, Random Forest, and XGBoost models to evaluate pricing accuracy.
- Integrated SHAP-based visualization for model interpretability.

AI-Powered ASL Translator Tool

JAN 2025 - APR 2025

- Group-based project, created a real-time American Sign Language (ASL) translation tool using computer vision and deep learning.
- Trained CNN models on gesture datasets and processed video inputs for live translation.

Education

Software Engineering Technology – Artificial Intelligence

Centennial College – Advanced Diploma (3 Years)

SEP 2023 – JUN 2025 · Toronto, Ontario

Forensic Identification

Humber College – Ontario Graduate Certificate

SEP 2018 – JUN 2019 · Toronto, Ontario

Technical Skills

Languages & Tools: Python, JavaScript, C#, Git

ML/AI: scikit-learn, TensorFlow, PyTorch, SHAP

Data: pandas, NumPy, SQL, PySpark

Cloud/DevOps: AWS (SageMaker, S3, IAM, Lambda), Docker

Web: Flask, Streamlit

Soft Skills: Problem Solving, Communication, Teamwork, Adaptability, Self-Learning, Time Management, Initiative