

Nicholas Laprade

Ontario College Advanced Diploma
Centennial College

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EDUCATION

•Ontario College Advanced Diploma in Software Engineering Technology

Centennial College

2022-25

Graduated 2025

PERSONAL PROJECTS

•Machine Learning Prediabetes Early Detection Dashboard

October 2025

An interactive dashboard to predict the risk of prediabetes using machine learning and SHAP interpretability.

- Manual input prediction questionnaire.
- Threshold-based classifications.
- SHAP visualizations.
- Model comparison across classifiers.

•Machine Learning BMW Price Estimation Dashboard

September 2025

An interactive dashboard to predict BMW vehicle prices using machine learning.

- Manual input prediction.
- SHAP visualizations.
- Model comparison benchmarking.

•AI-Powered ASL Translator

January 2025 - April 2025

An AI-powered tool that translates American Sign Language (ASL) in real time.

- Uses machine learning to recognize ASL gestures.
- Processes video data for accurate translation.
- Provides a simple web interface for users.

EXPERIENCE

•Sparkle Pharmacy

July 2024 - February 2025

E-commerce Specialist

Hybrid

- Managed the pharmacy's e-commerce platform and website for optimal functionality, security, and user experience.
- Collaboration with the lead pharmacist to create customized vitamins and supplements to increase digital presence.
- Optimized product listings and online store engagement strategies.
- Ensured seamless integration between e-commerce, inventory, and POS systems.
- Enhanced site speed, mobile responsiveness, and accessibility for improved customer experience.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Javascript, HTML+CSS

Python/ML: NumPy, pandas, scikit-learn, TensorFlow, Flask, Keras, SHAP, streamlit, PySpark, PyTorch

AWS: Sagemaker, S3, IAM, Lambda

DevOps: Docker

Areas of Interest: Machine Learning, Data Science, Data Analysis, Computer Vision, Natural Language Processing, Software Development

Soft Skills: Teamwork, Leadership, Problem Solving, Self-learning, Adaptability