

# Devang Malhotra

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## Education

### Lazaridis School of Business and Economics - Wilfrid Laurier University

Waterloo, ON

Candidate for Honours BBA (Strategic Management) and Honours BSc in Computer Science (Big Data Systems)

Class of 2027

- **Awards:** Dean's Honour Roll
- **Relevant Coursework:** Data Structures, Object-Oriented Programming, Algorithm Design and Analysis, Artificial Intelligence, Software Engineering, Database, Discrete Structures, Operating Systems, Machine Learning, Managerial Statistics

## Work Experience

### Yamaha Motor Canada

Toronto, ON

Data Analyst – Corporate Planning & Strategy

Sept 2025 – Dec 2025

- Parsed 800+ PDF pages with Tabula-Py and Pandas to extract marine MSRP data, reducing manual data entry time by 40%
- Tracked year-over-year sales increases after each Yamaha Appreciation Day from 2023-2025 for 200+ Canadian cities by leveraging GeoPy coordinates for radius mapping in Power BI, leading to a 15% average increase in MC sales post-event
- Enhanced the ATV, MC, and ROV Power BI dashboards by adding an interactive area chart to visualize unit-sales trends across OEMs and product categories, improving data clarity for the BLU CRU team and supporting a 10% increase in accuracy

### Yamaha Motor Canada

Toronto, ON

Data Analyst – Corporate Planning & Strategy

Jan 2025 – Apr 2025

- Automated the retrieval of competitor MSRP data for 800+ products, such as motorcycles, ATVs, and SSVs, by creating a Python web scraper with BeautifulSoup4 and Selenium, reducing manual data collection time by more than 24 hours
- Designed Power BI dashboards to visualize MSRP data across 20+ categories, reducing sales decision-making time by 20%
- Assisted with month-end procedures by downloading YTD and MTD reports from SAP ERP, updating the waterfall chart, and preparing a slideshow containing the latest economic data, improving the accuracy and clarity of financial reporting by 10%

### Nissan Motor Corporation

Mississauga, ON

Dealer Performance Analyst – Dealer Network Development

May 2024 – Aug 2024

- Utilized Tableau to update the Dealer Group KPI Scorecard for 260 dealers by managing data feeds and template precision
- Oversaw all EV Tracker updates by maintaining records of EV sales and dealer training status, improving data accuracy by 20%
- Updated the Profitability Report using Excel functions such as VLOOKUP and SUMIFS, reducing generation time by 15%

### Toronto Hydro

Toronto, ON

Senior Technical Student – Capital Planning & Reporting

May 2023 – Aug 2023

- Built a Tableau dashboard to visualize 58,000+ lines of data and trend US\$20M+ of annual expenses by quantity of removals by asset type, useful life of each asset, age of asset removed, etc. to identify the key drivers of derecognition from 2020 – 2023
- Prepared journal entries using SAP ERP to handle variances and transfer expenditures, improving financial reporting accuracy
- Created macros using VBA to analyze the ISA Actual report and the CWIP report daily, increasing efficiency by 25%

## Projects

### Tic-Tac-Toe Artificial Intelligence Game

React, Express, PostgreSQL

Sept 2025

- Developed a full-stack tic-tac-toe game by implementing the minimax, alpha-beta pruning, and expectiminimax algorithms
- Integrated a PostgreSQL database to record and display player statistics, including longest local and global player streaks

### Student Housing Industry Analysis Dashboard

React, Express, MySQL, Puppeteer

Mar 2025

- Scraped and stored data from platforms including Kijiji, WOCH, and Student.com using Puppeteer, Express.js, and MySQL
- Implemented a web-app using React to initiate the scraping process and display a dashboard with charts and statistics

## Activities & Societies

### Wilfrid Laurier University

Waterloo, ON

Instructional Assistant | CP212: Windows Application Programming

Sept 2023 – Dec 2023

- Supervised and led lab sessions by teaching fundamental concepts of Excel and Visual Basic for Applications to 50+ students
- Assessed 20+ lab assignments on a weekly basis while ensuring the accuracy and ethical integrity of all submissions and grades

## Certifications & Technical Skills

**Languages:** Python, Java, VBA, SQL, HTML/CSS, JavaScript

**Libraries and Frameworks:** React, Pandas, NumPy, Flask, Selenium, Express, Puppeteer, BeautifulSoup4, Tailwind CSS

**Additional Tools and Technologies:** Git, Docker, MySQL, Node.js, PostgreSQL, Tableau, Power BI, Microsoft Office Suite