

# DEV PATEL

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Waterloo, ON

in dev7878

dev7878

Portfolio

## EDUCATION

BSc. Honours Computer Science With Concentration in Big Data

**Wilfrid Laurier University**

Sept 2021 – Present

Waterloo, ON

## EXPERIENCE

Web Co-ordinator | **Wilfrid Laurier University**

Mar 2023 – Present

Waterloo, ON

- Updated university websites by updating information and ensuring **100%** uptime, validating information for quality control.
- Collaborated with 7+ departments to deliver high-quality websites that meet their specific needs in a collaborative and strategic manner, and scripted research reports to enhance website functionality and design, documentation processes, and improvements for future reference.

Teaching Assistant | **Wilfrid Laurier University**

Sept 2022 - Present

Waterloo, ON

- Instructed **50+** students in data structures, OOPS, and algorithms in Python, Java, and Physics by leading tutorials, labs, and weekly assignments, demonstrating technical expertise
- Mentored students in doubt-solving sessions, resulting in **95%+** satisfaction and improved communication, leadership, and time management skills, providing strategic recommendations for improvement.
- Boosted student performance by **30%** on assignments and projects through personalized feedback and guidance, tracking KPIs, and providing techniques for better outcomes.

Software Developer Intern | **Manpasand Beverages**

May 2021 - Aug 2021

Vadodara, IN

- Developed an e-commerce platform for 50+ products using React.js, Node.js, and MongoDB, showcasing software development and programming language expertise.
- Contributed to code documentation and testing, ensuring high-quality deliverables that met business requirements.
- Documented project-specific specifications and trained the sales team members on platform functionality, resulting in increased market status and growth.

## COURSES

- Full Stack Web Development Bootcamp, Udemy
- CS50 Introduction to Computer Science, Harvard
- Python Fundamentals, Udemy
- IBM Data Science Certificate, Coursera.

## SKILLS

- Programming Languages:** : Python, JavaScript, C, C++, C Java, SQL, CSS/HTML.
- Technologies:** React.js, AWS, Azure, MongoDB, MySQL, Firebase, Git, agile, Nodejs, Express, HTTP. Software - Microsoft Excel, Word, PowerPoint, GitHub, Jupyter, Tableau, Jira, Jenkins, Debugger.
- User Interface/Experience:** Web Development, Usability, User Experience, Responsive Design  
Mage
- Soft Skills:** Communication, Adaptability, Analytical skills, Problem-solving, Attention to Detail, Time management, Teamwork, Collaborate, and Innovative.

## PROJECTS

### • NYC Cab Data Model (Data and Cloud)

Designed and implemented a robust data model and architecture for efficient advanced analysis of NYC cab data, using GCP Storage, Python, Compute Instance, and Mage Data Pipeline Tool. Analyzed NYC cab data using GCP Storage, Big Query, and Looker Studio with open datasets. Created a dynamic dashboard built in Looker Studio, empowering stakeholders to visualize and interact with the analyzed data in real time.

### • Student Learner (Machine Learning)

Programmed a variety of machine learning techniques and frameworks in Python with detailed EDA, applied ML and statistics concepts to solve complex problems efficiently, and improved model accuracy by **25%** through innovative feature engineering and hyperparameter tuning.

### • Weather App (Web Development)

Developed weather app using OpenWeatherMap API for 200,000+ locations, demonstrating app development skills. Implemented responsive design with CSS and search bar, including error handling and loading indicators. Added geolocation functionality for automatic retrieval of weather data for users current location.

## EXTRA - CURRICULAR

### • Co-President | Laurier Mens Cricket Club

Managed logistics and fundraising for national and international tournaments.

### • Vice President of Web development| Laurier Robotics

Developed user-friendly website and increased membership by 40%.