

Dev Patel

[Portfolio](#)[Linkedin](#)[Github](#)

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EDUCATION

Wilfrid Laurier University

Honors Bachelor of Computer Science, Concentration: Big Data Systems, GPA: 3.4 (10/12)

Waterloo, Ontario

Sept 2021 - Present

WORK EXPERIENCE

Wilfrid Laurier University, Web Co-ordinator, Waterloo, ON

Mar 2023 - Present

- Updated university websites by updating information and ensuring 100% uptime and accurate information.
- Collaborated with 7+ departments to understand requirements, and deliver high-quality websites that meet their specific requirements.
- Scripted and created research reports to enhance website functionality and design.

Wilfrid Laurier University, Teaching Assistant, Waterloo, ON

Sept 2022 - Present

- Instructed students in data structures, OOPS, and algorithms in Python, Java, and Physics through leading tutorials, labs, and weekly assignments.
- Mentored 50+ students in doubt-solving sessions, resulting in 95%+ satisfaction and improved communication, leadership, and time management skills.
- Boosted student performance by 30% on assignments and projects through personalized feedback and guidance.

Manpasand beverages, Developer intern Student, Vadodara, India

May 2021 - Aug 2021

- Developed an e-commerce platform for 50+ products using React, Node.js, and MongoDB with a team of engineers.
- Contributed to code documentation and testing, ensuring high-quality deliverables that met business requirements.
- Documented project-specific specifications and trained sales team members on platform functionality, resulting in increased gains.

PROJECTS

Weather App (ReactJS) [Link](#)[Repo](#):

- Built a weather app that enables users to search for the current weather and forecast for 200,000+ locations using the OpenWeatherMap API.
- Implemented a responsive design using CSS and a search bar for data retrieval which supports error handling for invalid location searches and loading indicators for data retrieval.
- Executed geolocation functionality that allows users to automatically retrieve weather data for their current location.

Student Learner (ML) [Repo](#):

- Programmed a vast collection of machine learning algorithms, techniques, and frameworks in Python, with detailed explanations of EDA.
- Showcased expertise in applying machine learning and statistics concepts to solve complex problems efficiently.
- Improved model accuracy by 25% through feature engineering and hyperparameter tuning.

Soccer League (MySQL) [Repo](#):

- Created and Normalized a Soccer League Database while Learning DBMS.
- Designed a UI using React.js to display data in a tabular format and connected UI with Database using Node.js, leading to Query Database.
- Improved database performance by 30% through indexing and query optimization techniques.

Portfolio (ReactJS) [Link](#)[Repo](#):

- Crafted and published a personal portfolio website to display professional experience and skills.
- Utilized React Router to create seamless navigation for users.
- Deployed the website using GitHub Pages and made it publicly available through a unique URL.

Skills

Languages: Python, JavaScript, C, C++, Java, SQL, CSS/HTML **Technologies:** React.js, AWS, MongoDB, MySQL, Firebase, Git

Tools: Microsoft Excel, Word, PowerPoint, GitHub, Jupyter **OS:** Windows, MacOS

Soft Skills: Communication, Adaptability, Problem-solving, Attention to Detail, Time management, Teamwork, Positive Attitude

Extra - Curricular Experience

Laurier Men's Cricket Club, Co-President, Waterloo, ON

May 2022 - Present

- Orchestrated logistics for nationals and international tournaments, including the US nationals, for 15+ team members, managing transportation, accommodation, and catering to ensure seamless execution.
- Devised and implemented successful fundraising strategies that raised \$15,000+ annually to support the club's initiatives for recreational and competitive cricket.
- Fostered partnerships with multiple universities and organized tournaments and series to provide opportunities for the team and foster a positive environment, resulting in a 50% increase in participation.

Laurier Robotics - Vice President of Web Development- Waterloo, ON

Sept 2022 - April 2023

- Spearheaded the development of a user-friendly club website increasing visibility and accessibility for potential recruits.
- Assisted in the design and implementation of software projects based on SAP, ensuring timely completion and accuracy of deliverables.
- Conducted review sessions for first-year students and recruited new members, increasing the club's membership by 40%.