DEV PATEL

@ pate5400@mylaurier.ca   ☎ +1-905-922-5806   ● 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.

Data Analyst Intern | **Manpasand Beverages**

📅 May 2021 - Aug 2021   ● Vadodara, IN

- Conducted in-depth data analysis and provided insights on sales trends, customer behavior, and marketing campaign performance using Excel, SQL, and Tableau, demonstrating technical and analytical skills.
- Developed and implemented a data cleaning process that increased data accuracy by **20%**, resulting in more reliable and trustworthy data for decision-making purposes, demonstrating process improvement techniques.
- Collaborated with cross-functional teams to identify data needs and helped to design and implement data visualization dashboards that effectively communicated insights to senior management, resulting in a **10%** increase in data-driven decision-making.

COURSES

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

SKILLS

- **Programming Languages:** : Python, JavaScript, R, Java, SQL, XML, VBA.
- **Technologies:** JSON, AWS, Azure, GCP, MongoDB, MySQL, SAS, Git, agile
- **Tools:** Microsoft office, Looker Studio, GitHub, Jupyter, Tableau, Jira, Jenkins, Mage
- **Soft Skills:** Communication, Adaptability, Analytical skills, Problem-solving, Attention to Detail, Time management, Teamwork

PROJECTS

- **NYC Cab Data Model (Cloud)**

  Analyzed NYC cab data using GCP Storage, Python, Compute Instance, Mage Data Pipeline Tool, Big Query, and Looker Studio with an open data set developed a strong data model and architecture that enabled efficient advanced data analysis and valuable insights for informed business decisions, and created a dynamic dashboard in Looker Studio for real-time data visualization and interaction by stakeholders.

- **Student Learner (ML)**

  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.

- **Soccer League (MySQL)**

  Created and normalized a Soccer League Database using DBMS and relational database skills, designed a UI using React.js and connected it to the database using Node.js, resulting in the query database capabilities, and improved database performance by **30%** through indexing and query optimization.

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%**. members