

# Divya Pateliya

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## EDUCATION

### University of Lethbridge, Lethbridge, AB

Anticipated – December 2025

B.Sc. & B.Mgmt in Computer Science & Business Management

Minor in Mathematics

Cumulative GPA: 3.48

**Awards:** 2024's Shining Student, Dean's List 2021/2022

**Relevant Coursework:** Software Engineering, Data Structures & Algorithms, Data Science & Analytics, Database Systems, Data Mining and Deep Learning, Statistics and Probability, Artificial Intelligence, Linear Algebra

## PROFESSIONAL WORK

### Systems Developer Intern

January 2025 – Present

Canadian Natural Resources Limited

Calgary, AB

- Leveraging **Blazor** and **.NET Core** to develop scalable applications aimed at optimizing internal operations.
- Collaborating with cross-functional teams to ensure seamless integration of new features into existing systems.

### Software Developer Intern

January 2024 – August 2024

Arcurve Inc.

Calgary, AB

- Adapted **Blazor** and **.NET Core** technologies to develop a powerful internal application to streamline critical business processes.
- Developed and deployed comprehensive features that impacted company-wide operations resulting in a **20%** reduction in administrative workload.
- Streamlined project management by integrating **Azure DevOps** for task tracking, version control, and CI/CD pipelines, reducing project delays.
- Achieved a significant enhancement in system scalability by refactoring backend logic, cutting processing time by **35%**, and optimizing code performance and maintainability.
- Documented comprehensive deployment procedures, standardizing application deployments across environments and lowering deployment failures by **50%**.
- Created a UI Automation testing **C#** class library for a large-scale nationwide application
- Built a website for a CSR initiative that raised over **\$4500** for charity organizations.

## PROJECT WORK

### Team Lead / Full-Stack Developer Student | Client-project

April 2024 – Present

Vilas Esthetics & Nails Spa

Calgary, AB

- Leading a team of six in developing a Full-Stack website with **Next.js 14**, **TypeScript**, and **React**; boosted client's online presence and improved client user engagement.

### Pokédex Web App | JavaScript, HTML, CSS, React, REST API

[\(Source Code\)](#)

- Integrated a **RESTful** API to fetch and display real-time data, handling asynchronous requests to ensure up-to-date information
- Implemented efficient data retrieval and display mechanisms to optimize performance and reduce load times
- Designed a responsive and user-friendly interface using **React**, ensuring seamless navigation and user experience

### Titanic Dataset Analysis | Sklearn, Pandas, Matplotlib, Seaborn, Python

[\(Source Code\)](#)

- Developed and implemented a decision tree to break information of categorical data
- Designed multiple graphs to present raw data for further interpretation
- Applied methods of data wrangling and preprocessing to make a random forest model
- Achieved a model accuracy of **78%** to determine survivability of passengers onboard

## LEADERSHIP

### Co-op Ambassador

September 2024 – December 2024

University of Lethbridge

Lethbridge, AB

- Actively participate in employer outreach, fostering relationships, and expanding student opportunities.
- Collaborate with professors to deliver impactful presentations, promoting the Co-op program to student body

## TECHNICAL SKILLS

**Languages:** C++, C#.NET, Python, R, TypeScript, JavaScript, SQL, HTML5

**Frameworks and Libraries:** Tailwind CSS, React, Next.js, Blazor, .NET Core, PostgreSQL, MSSQL, EF Core, CMake

**Testing Tools & Libraries:** Playwright, NUnit, AutoFixture, Fluent Assertions

**Tools and Platforms:** GitHub, Jupyter Notebook, Git, Vercel, Azure DevOps, Miro, Jira, Visual Studio/Code