

# Divya Pateliya

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## EDUCATION

### University of Lethbridge, Lethbridge, AB

Anticipated – May 2026

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

Minor in Mathematics

Cumulative GPA: 3.48

**Awards:** 2024/2025 [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

- Engineered and optimized SQL scripts to preprocess and clean **4,000+** historical data records, improving data accuracy and integrity for analytical reporting.
- Developed and debugged multiple features for a Progressive Web Application (PWA) using **.NET**, **Blazor**, and **Syncfusion**, enhancing system performance and user experience.
- Identified and **mitigated** software vulnerabilities, strengthening system security and ensuring the protection of company software against potential threats.
- Provided technical support during a Microsoft 365 migration, assisting **100+** personnel with deployment issues and ensuring a seamless transition across the organization.

### 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%**.

## PROJECT WORK

### 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.
- Achieved a model accuracy of **78%** to determine survivability of passengers onboard.

## LEADERSHIP

### Co-op Ambassador

September 2024 – Present

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:** React, Next.js, Blazor, .NET Core, MSSQL, EF Core, Syncfusion, MudBlazor

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

**Tools and Platforms:** Jupyter Notebook, Git, Vercel, Azure DevOps, Visual Studio/Code, Oracle SQL Developer