

# PELVAIN DHANDA

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## EDUCATION

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### MOUNT ROYAL UNIVERSITY

Bachelor of Science

Major in Computer Science

Relevant Coursework: Software Engineering; Advanced Web Development; Advanced Database Systems; Operating Systems

Calgary, AB

Sep 2019 - Jun 2024

## WORK EXPERIENCE

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### CALGARY COUNSELING CENTRE

IT Developer

Calgary, AB

May 2023 - Dec 2023

- Applied Python and PyPDF2 library to effectively extract vendor information from PDF documents resulting in 2+ hours of time savings per week
- Developed scripts using Python and Selenium to automate data extraction from target websites, leading to a 30% increase in efficiency for the administration staff
- Maximized team productivity and expedited project delivery timelines by 20% through the strategic implementation of Azure DevOps for project management
- Designed and prepared a comprehensive system for storing test data samples using Microsoft Azure SQL Database, facilitating a 80% improvement in the testing process and enhancing data accessibility
- Showcased proficiency in Microsoft Office products for daily tasks, including creating comprehensive reports, analyzing data in Excel, and presenting findings using PowerPoint

## PROJECTS

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### FORMULA ONE STATS APP

Mar 2024 - Apr 2024

- Led a 2-person team to design a comprehensive Formula One Statistics Website with React and Tailwind
- Empowered users to access historical and current race data, including interactive maps with Leaflet, enhancing their engagement with the sport
- Implemented features allowing users to add favorite drivers, circuits, and constructors, achieving a 50% increase in personalized user interactions

### STUDENT DATA ANALYSIS SYSTEM

Jan 2024 - Mar 2024

- Implemented a command-line data analysis system utilizing Python, Pandas, NumPy, Matplotlib and Scikit-learn
- Engineered data processing pipelines to ingest Excel data, create Pandas dataframes, and apply advanced transformations and analysis techniques using NumPy and Scikit-learn
- Created interactive visualizations such as scatter plots and line graphs with Matplotlib, enabling users to gain insights from analyzed data

## ADDITIONAL

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**Languages:** Advanced in SQL, Python, Javascript, HTML, CSS; Proficient in C/C++ & Java

**Libraries:** React, Leaflet, Pandas, NumPy, Matplotlib, Scikit-learn, BeautifulSoup

**Frameworks:** Node.js, Express.js, Tailwind, JUnit, Selenium

**Awards:** Won Mount Royal University's Faculty of Science & Technology Research Day award out of 100+ participants (2024)