SAWAN RIJAL

Winnipeg, Manitoba
(204)-557-6521
rijalsawan@gmail.com

EDUCATION

UNIVERSITY OF WINNIPEG   Winnipeg, MB

Bachelor of Science in Computer Science (Co-op Student)   **Jan 2022-present**

- ***Relevant Coursework:*** *Introduction to Computing, Programming Fundamentals, The Object-oriented Paradigm, Data Structures, Database Management Systems, Web Design and Development, Algorithms, Software Design and Development.*

ACADEMIC PROJECTS

Software requirements and Analysis

- *Designed a traffic management system using user research methods (interviews, questionnaires, and feedback) to understand needs and requirements.*

- *Applied Agile methodologies for iterative development, fostering stakeholder collaboration and adaptability.*

- *Utilized user stories, use cases, and wireframes to ensure clear communication and project alignment.*

- *Conducted comprehensive analysis of functional and non-functional requirements to meet user and technical expectations.*

- *Validated and refined designs through prototyping and user testing.*

Advanced Internet Programming

- *Developed a responsive e-commerce web application using React.js, MongoDB, and Next.js.*
- *Integrated user authentication for personalized shopping and secure transactions.*
- *Leveraged RESTful APIs for efficient backend data interactions.*
- *Added features like product browsing, search, and cart management to enhance user engagement.*

- *Ensured consistent performance across devices with responsive design principles.*

Data Structures and algorithm

- *Studied fundamental data structures (arrays, linked lists, stacks, queues, trees, graphs) and their applications.*

- *Implemented and analyzed sorting algorithms (bubble sort, merge sort, quick sort) for efficiency.*

- *Applied recursion, dynamic programming, and greedy algorithms to optimize problem-solving.*

- *Practiced algorithm design through coding platforms and competitive programming.*
- *Enhanced understanding of data structures and algorithms via code reviews and pair programming.*

Work Experience

Direct Support Professional

Pulford Community Living Services

Winnipeg, Manitoba

June 2022-Present

- *Provided compassionate care to patients by assisting with daily living activities such as bathing, dressing, and feeding.*

- *Monitored patient conditions and reported changes to medical staff, ensuring timely and appropriate care.*

- *Supported mobility and exercise routines for patients to promote physical well-being.*
- *Maintained accurate records of patient care, demonstrating strong attention to detail and organizational skills.*

- *Collaborated effectively with healthcare teams to create a supportive and safe environment for patients.*

Contact Information

- *Personal Website: https://mysite-v2.vercel.app/*
- *LinkedIn: https://www.linkedin.com/in/sawan-rijal-ab650321b/*
- *GitHub: https://github.com/rijalsawan*
- *Email: rijalsawan@gmail.com*