

Raj Rawat

(587)-969-1277

● Calgary, AB (Can Relocate)

● LinkedIn: www.linkedin.com/in/raj/rawat-118266227/

● raj.rawat@ucalgary.ca

PROFILE SUMMARY

- Computer Science student with foundational knowledge of software design, development, and testing.
- Knowledge of algorithms, data structures, operating systems, object-oriented design principles.
- Proficient in computer languages including Java, C, C++, MySQL, Python, HTML, CSS and JavaScript.
- Recognize opportunities to improve performance, efficiency, and quality of software, driven by a desire to develop new features and identify innovative solutions to build rich and interactive content.
- Contribute to the design, development, and testing of new features as well as maintenance and bug fixes.

EDUCATION

Bachelor of Science, *Computer Science*

Expected - May 2023

University of Calgary, Alberta

- Overall GPA 3.60/4.00
- Enrolled in Science Internship Program and Summer Studentship Program (Undergraduate Research).
- Highlighted courses: Computing Machinery, Introduction to Software Engineering, Data Structure Algorithms and Analysis, Database Management Systems, Discrete Mathematics.

EMPLOYMENT EXPERIENCE

CalgaryToSpace (Website Manager)

Sep 2023 - Present

University of Calgary, Calgary, Alberta

- Increased web traffic by 35% by implementing effective SEO strategies and keyword research.
- Demonstrated excellent teamwork and collaboration skills, ensuring smooth communication and coordination within the team for successful project completion.
- Secured a \$10,000 grant from MDA Space Company contributing significantly to the organization's strategic initiatives and outreach programs.
- Exploring the frontier of database efficiency, seeking innovative solutions for improving system performance.

Vog App Developer (Intern)

May 2023 - Sep 2023

11 Ave SW, Calgary, Alberta, T2R 0K1

- Completed full software development lifecycle and kept abreast of tech trends, increasing efficiency by 20%.
- Fostered relationships with clients and stakeholders, enhancing requirement gathering efficiency by 30%.
- Utilized Flutter and React Native in developing 10+ mobile applications, improving user engagement by 15%.
- Managed 5+ concurrent projects effectively, demonstrating a 25% improvement in meeting deadlines and adapting to priority shifts.
- Worked both autonomously and collaboratively in teams of up to 10 members, contributing to a 20% increase in team productivity.

PROJECTS

Point of Sale System Software (POS)

Jan 2023 - Apr 2023

- Demonstrated proficiency in Python and Tkinter for building applications, specifically a Point of Sale (POS) system.
- Pioneered the system to incorporate details of each step, enabling real-time tracking and process optimization.
- Leveraged Python and Tkinter for a user-friendly frontend, enhancing the accessibility and usability of the system.
- Employed MySQL for backend operations, ensuring efficient data management and superior system performance.
- Identified and addressed limiting factors, contributing to improved process efficiency and service delivery.

Grade Calculator

Feb 2023

Calgary Hacks 2023

- Developed an app that calculate how much grade a student need in each component of a course to get a dersired course Grade.
- Implemented a user-friendly interface using JavaFX, enhancing usability and user engagement with the application.
- Showcased exemplary teamwork, project management, and time management skills, completing this significant project in just 24 hours.
- Managed the project repository using Git Bash and GitHub, demonstrating effective version control and project maintenance skills.
- Utilized JavaFX and Scene-Builder for building the user enterface for the app.

CERTIFICATIONS

Data Structure and Algorithms

Jan 2024

(Online)

- Acquired fundamental knowledge on basic algorithmic techniques like sorting, searching, divide and conquer, greedy algorithms, and dynamic programming.
- Gained theoretical understanding of data sorting, recursive problem solving, and the practical applications of greedy algorithms.
- Cultivated personal growth and research skills by formulating a research journey plan aligned with passions.
- Completed reflective statements for each workshop, demonstrating deep engagement and comprehension of the workshop content.

Responsive Web Design

Nov 2022

FreeCodeCamp(Online)

- Knowledge of basic Search Engine Optimization principles to improve website visibility.
- Enhanced problem-solving abilities through coding challenges and project work
- Knowledge of JavaScript for adding interactive elements to web pages, such as dynamic content updates, form validation, and basic animations.
- Understanding how to ensure web pages look consistent and function properly across different web browsers.
- Familiarity with basic version control and usage of Git for tracking changes and collaborating on web projects.

VOLUNTEER EXPERIENCE

Volunteer

Oct 2023 - Dec 2023

University of Calgary

- Improved technical communication abilities, translating complex software concepts for over 100 participants, leading to a 25% increase in comprehension as measured by post-event surveys.
- Demonstrated adaptability by quickly learning and implementing 5+ new technologies within project timelines, ensuring seamless project progression.
- Encouraged creativity and innovation, contributing to a 30% improvement in problem-solving efficiency during the hackathon.
- Fostered strong team collaboration, uniting a group of 20+ peers from various disciplines to develop innovative tech solutions, delivering the project 10% ahead of the tight deadline.

AWARDS

- Best New Volunteer Award- natHacks
- Student Peer Assistance Undergraduate Award - \$1500, University of Calgary
- Dean's List Winter 2023