

Seyar Hazrat

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EDUCATION

UNIVERSITY OF CALGARY

22 – Present

BSc in Computer Science

Expected Graduation: May 2026

- Second year computer science student with software engineering internship experience
- Relevant Coursework: Software Design, Software Development, Calculus I, Logic I, Discrete Math, Linear Algebra, Microeconomics, Numerical Methods, Software Engineering and more

INTERNSHIP EXPERIENCE

SUNCOR ENERGY

September 2023 - Present

SOFTWARE INTERN

- Programmed and implemented multiple SAP automation scripts that re-organized and optimized planning and maintenance practices and databases, leading to a **55%** reduction in processing times.
- Designed a program to verify vendor input by integrating multiple databases to ensure accurate billing for offsite work and preventing misallocations to cost centers, saving **\$700K** annually.
- Organized Big Data file transfers of multiple plant databases and integrated them into the Fort McMurray plant, which allowed for **70%** recovery of corrupted data after a cyber-security breach.

TECHNICAL SKILLS

Programming: Python, C, C++, Solidworks, MATLAB, Java, JavaScript, Go, Node.js, SQL, Artificial Intelligence, Machine Learning, SAP, VBA, PowerBI, MS Office (Excel, Word, PowerPoint), Jupyter, Pandas, Numpy, Perl, Selenium, MongoDB, React., Robotics, CAD, HTML, CSS, Git, GitHub, Assembly, Azure.

Projects

Data Structures and Algorithms Visualization

May 2024 – July 2024

Application Developer

- Developed an interactive application that visually animated and demonstrated **10** different algorithms and **5** data structures, aimed at enhancing University Students understanding of fundamental Computer Science concepts and theories.
- Implemented customizable features, allowing users to adjust sample sizes (**1-500**) and manipulate animation speed (**1-100%**) to observe the effects of algorithmic behavior in real-time.
- Integrated real-time process descriptions into each animation, providing on-screen explanations to guide users through the steps of each algorithm or data structure as it was visualized, enhancing understanding and learning efficiency.

Friendly Financing Mobile Application (Ongoing)

August 2024 - Present

Application Developer

- Developing a mobile application to track purchases, manage budgets, and store receipt images for better financial management for individuals and businesses tailored to Canadian banking systems.
- Implemented a secure API integration with Stripe to pull recent bank purchases and generate summaries and reports for users based on their budgets and spending habits.
- Enabled receipt attachment functionality to individual purchases improving organizing and providing visual references for tax tracking purposes.

HOBBIES / INTERESTS

Interests: Soccer, Traveling, Robotics, Hiking, Board Games, Video Games

Languages: Farsi, Dari, Persian, English