

# Savitur Maharaj

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## EDUCATION

### University of Calgary

Alberta, Canada

*Bachelor of Science in Computer Science GPA:3.86/4.00*

*2022 – 2026*

### Awards

*President's Admission Scholarship, Deans List*

*2022,2023*

## TECHNICAL SKILLS

**Languages:** JavaScript, Swift, Python, C#, Java, C, HTML/CSS

**Technologies and Frameworks:** React, Typescript, Nodejs/Express, Firebase, MongoDB, MySQL, Tailwind, Sass, Git, Github, Gitlab, Docker

**Relevant Coursework:** Data Structures and Algorithm Analysis, Database Management, Intro to Software Engineering, Computer Networks, Operating Systems, Web-based Systems, Distributed Systems, iOS Programming

## EXPERIENCE

### Software Technician Intern @ KaizenLAB (Part-Time) | *Typescript, Nodejs/Express, MySQL* May - Aug 2024

- Liaised with I.T. management to define API requirements and contributed to designing a RESTful service architecture
- Developed and deployed an automated requisition workflow, reducing processing time and minimizing human error through input validation and structured data storage
- Assisted with setup of the cloud infrastructure using AWS RDS for database hosting and Render for server deployment

## PROJECTS

### VolunTree | *SwiftUI, Firebase*

Apr 2025

- Built a prototype iOS app for connecting users with volunteering opportunities
- Enabled creation, update, and management of volunteering opportunities for registered organizations
- Designed an interactive MapKit interface to allow geolocation-based filtering and tag-based search

### Book Club Organizer | *React, Tailwind, Firebase, Docker*

Dec 2024

- Implemented themed book club creation and membership features with a dynamic UI
- Integrated Firebase Authentication and Firestore for secure user access and real-time data syncing
- Containerized the full-stack application with Docker to streamline cross-environment deployment

### Student Scheduler Management System | *React, Sass, Node.js/Express, MySQL*

Dec 2023

- Engineered a dynamic scheduling interface for students using React state management and conditional rendering to support multi-semester planning
- Designed a RESTful API to allow students to submit course ratings and retrieve personalized scheduling data

### Fictional Character REST API (Backend) | *Nodejs/Express, MongoDB*

Aug 2023

- Developed a REST API to store and manage media characters using MongoDB Atlas and Express
- Implemented JWT-based authentication and tested endpoints with Postman

### GPU Web-scraper | *Python, BeautifulSoup*

July 2023

- Created a python script to parse Newegg's website to obtain GPU prices

## EXTRACURRICULAR ACTIVITIES

### VP Teaching for Origami-Aid

Apr 2024 - Jun 2025

- Coordinated with other club executives to plan weekly folding sessions and collaborations with other clubs

### Executive of Academic Events for the Computer Science Undergraduate Society

Nov 2023 - Mar 2025

- Created workshops for undergraduate students and assisted in planning CalgaryHacks 2025