# Suren Kulasegaram

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## EDUCATION

**Bachelor of Engineering in Computer Systems,** Co-Op Option                      Expected Graduation: April 2026
Carleton University, Ottawa, ON
- 3rd Year Standing | **GPA: 4.0/4.0** | Dean's Honour List
- Relevant Coursework: Algorithms and Data Structures, OO Software Development (Java), Foundations of Imperative Programming (C), Intro to Computer Organization and Architecture, Multivariable Calculus

## EXPERIENCE

**Software Test Specialist Co-Op,** Nokia, Ottawa, ON                      May 2023 – Sept 2023
- Contributed to the test automation and regression testing of a web application using **JavaScript, Node.js, MochaJS, HTML, CSS, and REST API calls**, which enhanced the quality and stability of the product
- Investigated over **10** product defects found in the automated regression testing by creating and working with a local testing environment, using various debugging techniques to find the root cause, and recording and communicating my findings
- Collaborated with senior developers to develop a robust solution for **3** complex issues, which involved designing, coding, revising, and pushing the solution to create a Merge Request with GitLab

## PROJECTS

**Task Management Discord Bot** | JavaScript, Node.js, Notion & Discord API                      May 2022 – Sept 2022
- Designed and implemented a task management Discord bot which helped raising a peer's GPA by **33%** using Discord's & Notion's APIs by taking information of tasks from a Notion calendar and having the bot send an elegant message of the tasks on Discord
- Employed asynchronous programming techniques, including async/await, to handle API calls which efficiently retrieved and handled **over 100** task data from a Notion calendar's database, and to maintain a responsive bot which can provide an elegant message when called upon.
- Designed a data parsing mechanism to filter out past-due tasks and sort the remaining tasks by due date for a seamless user experience

**Dataset Analyzer** | Python                      Nov 2021 – Dec 2021
- Led a **4-person** team in creating an application to analyze data from a CSV file by assigning tasks to team members, arranging weekly meetings to plan and revise task, assigning and performing code review of peer's work, and ensuring deadlines were reached
- Developed functions which allowed loading and uploading files, sorting the data, and searching through the data, then generating a versatile team code, incorporating contributions from all team members, spanning over **1000** lines of code
- Wrote and edited a technical report, with a team member, that detailed the purpose, design, and process, which contributed to the **97%** grade for the project

## SKILLS

**Languages:** Python, JavaScript, C, PHP, Java, HTML, CSS, SQL, Assembly
**Tools/Frameworks:** Node.js, MochaJS, Git, Postman, OpenStack, Bootstrap, Linux/Unix,
**Concepts:** OO Programming, Debugging, Regression Testing, Test Automation, REST, CI/CD
**Soft Skills:** Communication, Teamwork, Adaptability, Time Management, Problem Solving, English, French, Tamil