

# TISEAGAN KETHARASINGAM

| ✉ Email | 🌐 Website | in LinkedIn | 🐙 GitHub |

## EDUCATION

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### Ontario Tech University

Candidate for Bachelor of Science in Computer Science

Oshawa, Ontario

Sept 2019 – December 2023

Clubs & Activities: Computer Science Club, Tamil Student Association

## EXPERIENCE

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### Web Developer

May 2023 – June 2023

Social Planning Council of Peel

Mississauga, Ontario

- Collaborated to construct a web application with a custom search engine to search through Excel data files
- Lead the project with two team members while facilitating research, learning, and project management
- Constructed the web application with a front-end UI and custom back-end server
- Tested the web application rigorously with error handling code so that it was ready for deployment

### Coding/Robotics Instructor

June 2023 – Aug 2023

Code Ninjas

Markham, Ontario

- Instructed students from ages 10 - 14 about LEGO Robotics with content ranging from sensors and motors
- Taught students how to incorporate Python programming into their robotic creations
- Maintained the organization and cleanliness of the facility before and after each usage and session
- Prepared lesson plans and activities that would combine LEGO hardware and Python programming in robotics

### Coding Instructor/Supervisor

March 2024 – Present

Code Ninjas

Richmond Hill, Ontario

- Instructed students from ages 5 - 14 on Scratch, Microsoft Makecode, Python, JavaScript, Roblox, and Unity
- Managed keyholder responsibilities of two facilities to ensure store security and operational preparedness
- Maintained the organization and cleanliness of the facility before and after each usage/session
- Oversaw the operations of the LEGO robotics club biweekly at two locations and managed 15 students
- Led summer camps of 10 to 20 students in topics such as coding, game design, modding, STEM, and robotics

## PROJECTS

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### SPCP Database Web Application | React.js, Node.js, Express.js, Chart.js, Excel.js

May 2023 – June 2023

- Constructed the basic layout of the front-end UI using React.js
- Built the back-end functionality and the search engine functionality with Express.js and Node.js
- Implemented tables and graphs with Chart.js to add interactivity for the user(s)
- Enhanced UI with components from React.js to display a polished and refined aesthetic

### Dog Walking App | Flutter, Dart, Firestore

Sept 2022 – Dec 2022

- Coded multiple UIs and pages for application using Flutter widgets
- Implemented and used new widgets to produce sleek and modern UI design for the application
- Programmed the back end and connected it to a cloud database using Dart and Firestore

### SimpleHR | Express.js, Firebase, Node.js, Twilio, Vue.js

Feb 2022 – Mar 2022

- Integrated and tested Twilio API and connected the API to the back-end of the project
- Developed routes for REST API using Node.js and express.js
- Used Postman to test REST API with requests for functionality
- Implemented a database and tested the project with sample data using Firebase

## TECHNICAL SKILLS

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**Languages:** Python, Java, C++ , HTML, CSS, JavaScript, SQL, Flutter, Dart, R

**Frameworks:** React.js, Node.js, Express.js, Vue.js

**Libraries:** Chart.js, Excel.js, NumPy, SciPy, Matplotlib, Pandas

**Databases:** pgAdmin, Toad Data Modeller, Firebase, PostgreSQL, MongoDB, SQLite

**Software & Tools:** GitHub, Git Bash, Ubuntu, Postman, VS Code, Android Studio