

Shermal Marasinghe

Computer Engineer

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GitHub: <https://github.com/ShermalM>

Work Experience

Technical Support Representative

Klarna, Toronto, Canada

July 2021 – January 2022

Customer Service Representative

TTC, Toronto, Canada

August 2019 – July 2021

Languages

C	Java
Python	HTML/XML
JavaScript	jQuery
PHP	SQL

Tech Stack

Oracle	NodeJS
MySQL	MSSQL Server
AWS	Firebase
Django	Jira

Operating Systems

Windows	Linux
Android	Ubuntu

Skill Highlights

Proficiency with Programming Languages
Excellent Time Management
Quick Learner
Mathematical Skills

Certifications

:: JavaScript, PHP, and JQuery Certificates
by SoloLearn February – April 2020
:: Azure Fundamentals AZ 900 Certificate
by Microsoft March 2021

Volunteer Experience

:: Volunteered at National
Engineering Month, Humber
Workshop, Toronto, Canada
:: Organised fundraiser events via
ACBT Student's Council

Achievements

- Deans List : Humber College, Toronto, CA (2021)
- Achieved the highest mark for Mathematics - Cambridge O/L (2017)
- Received High Achievement award for Computer Science Cambridge O/L (2017)

Education

- **Advanced Diploma : Computer Engineering Technology** - 2021
(GPA 3.67 / 4.0)
Humber College, Toronto, CA
- **Foundation Diploma of Science : Engineering Studies** - 2018
Edith Cowan College, Melbourne, Australia

Projects

- **Smart Lock Senior Capstone Project (2021)**
 - Led a group of four in developing a decentralized Smart Door Lock System. Connected our decentralized subsystems to Blynk Cloud Database.
 - Developed a mobile application to lock/unlock the Smart Lock.
 - Used a Raspberry Pi 4 and STM32F103C8T6 micro-controller to control the subsystems.
 - Wired circuits for a 5V servo motor, SSD1306 OLED, and other peripheral devices.
 - Coded firmware using C and JavaScript, maintained on a GitHub repository.
- **Homies Android Application (2020)**
 - Led a group of four in developing an Android Housing application.
 - Used Android Studio IDE to design the front-end user interface and develop back-end functions using XML and Java.
 - Maintained the application on a GitHub repository.
 - Connected the application to Firebase Realtime Database, in order to store and access data remotely.
 - Utilized Google and Facebook API for creating user accounts.
- **PopCorn Website (2020)**
 - Led a team and created a cinema website using HTML, CSS, jQuery and PHP.
 - Created a database using MySQL, within a Virtual Machine running on Ubuntu, and connected the website to it in order to store and access data remotely.