

Shermal Marasinghe

Computer Engineer

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

Portfolio : <https://shermalm.github.io>

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/CSS/XML
JavaScript	SQL
PHP	

Tech Stack

Oracle	Node.js
MySQL	MSSQL Server
Bootstrap	jQuery/ jQuery UI
AWS	Firebase/MongoDB
Jira	Heroku

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

- **Online File Explorer (2022)**
 - Created an Online File Explorer web application.
 - Built the base template using HTML and Bootstrap.
 - Used Pure Node.js to create the server and give it functionality, which includes browsing through the different items, viewing them, and arranging them by Name, Size, and Last Modified time.
 - Maintained the application on a GitHub repository.
 - Deployed on Heroku PaaS.
- **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.