



KATHEERAVAN A/L BALASUBRAMANIAM

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Objective

4th year Computer Science student looking for a front-end developer position at any tech related companies where I can apply all the skills obtained from 4 years of my studies. I am very motivated and eager to help companies with their projects.

Education

University of Science, Malaysia (2019-current)

Bachelor of Computer Science

Majoring in Intelligent Computing

CGPA 3.50

- Dean's List Academic Achievement Award for Semester 2 and Semester 3

Perlis Matriculation College (2018-2019)

Science Stream

CGPA 3.67

SMJK Chio Min (2013-2017)

Sijil Pelajaran Malaysia (SPM)

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Work Experience

Telebort Technologies Sdn Bhd (March – October 2022)

Internship

Front-End Developer and Teaching Instructor

- Worked on fixing bugs and developed new feature Student Profile Page and Teacher Profile Page.
- Worked as instructor for weekly core programs and created new lesson materials.

Skills

Technical Skills:

- C++
- PHP
- Firebase
- Matlab
- ReactJS
- Java
- HTML
- Oracle SQL
- R
- Javascript
- Python
- CSS
- Git
- NextJS
- Typescript

Languages: English, Bahasa Malaysia, Tamil

Involvement

UM Hackathon 2021 Finalist

As part of the competition, students are able to gain experience integrating Machine Learning capabilities from cloud provider Microsoft Azure to solve problems in agriculture. Managed to create a deep learning model to forecast rice disease and provide feedback on prevention techniques using Azure Cognitive Services and Azure ML Studio.

Part of Results and Records Team for Kavipaadam Thendral 2021

Virtual event that showcased Tamil Language related competitions with students all over Malaysia participating. Managed to call school teachers, lecturers and news readers to invite them to be judges for the competition. Responsible for handling rules, competition results and anything related to judges.

Leader of Peer Assisted Learning (PAL) for Computer Science (2018-2019)

Lead a group of students who are good in Computer Science to teach other students. Able to help students by guiding them and solving any problems they were facing in Computer Science subject.

3rd Place for Penang Matriculation College Robotic Competition 2018

The competition encourages students to build robots using Arduino microcontroller board. Managed to build and program a robot using C language which follows a path of line using sensors.

School Prefect 2014-2017

Responsible for helping teachers to maintain discipline in school. Managed to perform prefect duties well and improve leadership skills.

Reference

Dr. Fadratul Hafinaz Hassan

Senior Lecturer

School of Computer Sciences

University of Science Malaysia

fadratul@usm.my

Projects

Let's Get Fit 2.0

A program that uses object-oriented C++ programming to calculate BMI, BMR and RMR of a person based on their personal and fitness information. This program also capable of showing statistical information of a group of people.

Visit: <https://github.com/Katheeravan305/lets-get-fit-2.0>

Machine Learning & Fuzzy Logic Model Project

A program that uses machine learning model and fuzzy model to predict the target variable of Cardiotocography(CTG) dataset. The model must be able to classify fetal status into Normal, Suspect and Pathologic. This models were built using Python language, Matlab and Scikit-learn library.

Visit: <https://github.com/Katheeravan305/Machine-Learning-and-Fuzzy-Logic-Model-Project>

Notepad App SmartWrite

An application that allows users to write and store notes. Built using HTML, CSS and PHP.

Visit: <https://github.com/Katheeravan305/notes-app-SmartWrite>

Grocery Manager Application

An application for users to manage their groceries and keep up with their daily cooking. This application was built using Java language, Android Studio and Firebase for Android Operating System users only. This application has features like managing groceries and recipe suggestions.

Visit: <https://github.com/Katheeravan305/GroceryManager>

Password Manager Application

An application for users to manage their passwords. This application was built using Java and Firebase. Security features applied are Encryption and Decryption of Information, Backup and Recovery, Security PIN, Email Verification, Biometric Authentication and Multistep Login.

Visit: <https://github.com/Katheeravan305/Pass-Manager-CST235>

Graph Traversal

A C++ application that generates a directed graph with five cities. This programme can determine whether a graph is highly connected, has a cycle, and its shortest paths.

Visit: <https://github.com/Katheeravan305/Graphs-Traversal-CPT212>