

Hasindu Gajanayake

Computer Engineering Undergraduate



Personal Info

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Date of birth
1995-01-08

StackOverflow
<https://bit.ly/2Bb1mnA>

Facebook
<https://www.facebook.com/hasindu.uthpala.gajanayake>

GitHub
<https://goo.gl/xDWnep>

FB developer Page - 2000+ likes
www.facebook.com/codeGajan

Personal Site
<https://noobtechhack.blogspot.com>

LinkedIn
www.linkedin.com/in/hasindu-gajanayake

Skills



I am a student who loves coding and can adopt to any situation and loves Team Work

Education

2003 - 2013	Mahinda College , Galle GCE Advanced Level (First Attempt) Z score: 1.9233
2014 - present	Department of Computer Engineering , Faculty of Engineering , University of Peradeniya <ul style="list-style-type: none">FIRST YEAR GPA = 3.25REST GPA = 2.20Member of Robotics ClubMember of Hackers Club
Online Courses and Performance <ul style="list-style-type: none">Stackoverflow - Reputation - 267 Silver Medals - 2 Bronze Medals - 19Codecademy - Badges gained- 34 Skills Achieved - 3Udemy - Followed GAME DEVELOPMENT WITH c# AND UNITY	

Experience

	University Experience <ul style="list-style-type: none">ACES Hackathon 2016ACES Coders v6.O(Rank 26)SLIIT ROBOFEST 2016SLIIT ROBOFEST 2017ACES Hackathon 2017Innovators 2015
	School Experience <ul style="list-style-type: none">Advanced Level Tutorial Staff as a Co-TeacherPrimary PrefectInter House Chess Tournament(First Place)Member of School Debating teamMember of Badminton ClubMember of College Aviation Club
present	Organisation for Skills Development and Social Assistance (Non Profit) <p>Im a Director of OSDASA .OSDASA is a non-profit organization which functions at local, national and international level to serve less fortunate people primarily in Sri Lanka to improve public health, skills development for youth and children, and social activities.</p> <p>http://www.osdasa.org/srilankacontacts.html</p>

Courses

- CMJD course of Institute of Java and Software Engineering
- Java course from DreamTeam Academy
- C# course from ESOFt Metro Campus

Python

Android

Software

Intellij Idea & PyCharm

NetBeans IDE

Android Studio

JHipster

Networking

Spyder

MS SQL

SQL Workbench

Internship Experience(Cambio Software Engineering)

I initially worked as a Full Stack Developer with the knowledge of Java Spring framework and AngularJs .

PROJECTS

EMBEDDED PROJECTS

1. Project : Maze solver robot with Colour Detection (SLIIT ROBOFEST 2016)

Environment : Arduino

Equipment used : Arduino Mega, sensors, motors, servomotors

- It solves a given maze by finding the easiest path to reach the destination
- Line following is adopted in a part of the maze
- Picks the color of the object and hold the correct object
- Put the object to the correct pit

2. Project : Motion Configured Accelerometer

Environment : Matlab

Equipment used : Arduino, Winston Bridge, Handmade Accelero-sensor

- This autonomously determines the acceleration of a vehicle when the vehicle is driving in the streets

(EMBEDDED + NETWORKING) Projects

3. Project : Lumos-Smart fan

Environment : .Arduino, C, Android

Equipment used : Raspberry pi board, Arduino mega 2560, motors, PIR

- This fan automatically turns on when the user is entering the room and automatically switches off when leaving
- This fan uses android application to turn on and off the fan
- This fan has smart light working according to customized effects

URL: <https://github.com/HasinduGajanayake/LUMOS-Smart-Fan>

4. Project : Heart Patient Alert System with GSM

Environment : .Arduino

Equipment used : Arduino mega 2560, Heart Rate Sensor,TC35 GSM Module

- This was a project done individually by me to a IIT student
- It verifies the rate of the heart and sends messages to the doctor

URL : <https://github.com/HasinduGajanayake/Heart-rate-Monitor-GSM>

SOFTWARE PROJECTS

5. Project : Mic Anywhere

Client : University of Peradeniya

Environment : Android Studio, Netbeans, Geany

- This application allows you to talk easily in a big conference
- This application connects to the presenters speaker via Wi-Fi and can deliver your talk such that audience can listen with an adequate sound quality
- This product also has a desktop application which can be controlled by the presenter
- Presenter can allow the audience members to ask questions in appropriate positions of his speech
- 10 members can be waited in a separate thread

URL : <https://github.com/HasinduGajanayake/MIC-Anywhere>

6. Project : doPost

Client : University of Peradeniya

Environment : Android Studio, Netbeans, Firebase,nodejs

- This is a online delivery system which allows customers to get their goods to their door step and employers to earn some extra money on their way home
- I connected to fire base to make popup messages
- We did created a server in the web platform and let the phone to connect to it
- Android app is done by me

7. Project : Thoga Kade

Client : Galle Store Owner

Environment : Netbeans,Java

- Whole entry system is done by me
- It consist of Stock Keeping and customer data keeping system

URL : <https://github.com/HasinduGajanayake/Thoga-Kade>

Final Year Project

8.Research: Ensuring Road Safety Using Social Data Mining (on going)

Client : Department of Computer Engineering with the direct guidance of Department of Civil Engineering

Environment : Python,Java,Android

In this project we use Social data like facebook data to detect areas with many road accidents and marking them as danger Zones and Alerting the Driver.This application also allows driver feedback and the process is automated according to a machine learning algorithm .In this project Data mining and Machine Learning Techniques are used.This uses Google Map to show danger zones on the drivers mobile.

OpenSource Project Contribution

9. Project : Artificial Intelligence Modern Approach

Client : Aima

Environment : Python,Java

I have contributed in this project and found several issues and solutions for this project and still working on it

URL : <https://github.com/HasinduGajanayake/aima-java>

Developed Web Sites

10. Car Review Website

URL : <https://github.com/HasinduGajanayake/aima-java>

URL : <https://github.com/HasinduGajanayake/aima-java>

11. Personal Autobiography Site

URL : <https://github.com/HasinduGajanayake/aima-java>

URL : <https://github.com/HasinduGajanayake/aima-java>

References

Dr. Roshan Ragel , Senior lecturer , Faculty of Engineering , University of Peradeniya , +94 81-239-3913 , roshanr@pdn.ac.lk

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