

HISHAN INDRAJITH

Computer Engineering Undergraduate



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Interested in Software, Web, Mobile Application Development and Machine Learning



Hishan Indrajith

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ABOUT ME

I'm an enthusiastic and energetic computer engineering undergraduate, with a logical mind with a practical approach to problem-solving and a drive to see things through to completion. I am eager to be challenged in order to grow and further improve my IT skills.

SKILLS

WORK

JAVA, OOP, C, MySQL, PHP, HTML5, CSS3, JavaScript, Firebase, Bootstrap, Android Studio, Git

PERSONAL

Professional Fluency in English
Communication,
Creativity,
Hard Working.

EDUCATION

Undergraduate BSc(Hons) in Computer Engineering - 3rd Year (2016 – present)

University of Peradeniya

GPA up to 4th semester – 3.25/4.0

Professional Certificate in Java Development (2005 – 2011)

DREAMTEAM Academy of ICT & Design

GCE A/L and O/L (2006 – 2014)

Central College Kuliyaipitiya

PROJECTS

Networked and Automated Weather Monitoring and Alerting System

Group Project Jan 2018 – Aug 2018

PHP, HTML, Arduino

System that can be used to collect weather information using an embedded system with a complete web application with live maps, charts as well as live notification about extreme weather

My Contribution – Web application and the program for the embedded system.

Repository: - github.com/HishanIndrajith/Automated-Weather-Monitoring-and-Alerting-System

Details: - hishan.me/weather.html

Development of Dog counting and locating App for Dog population control

Group Project Nov 2017 – Jan 2018

Java, PHP, Android, Agile Method.

Mobile Application that can be used for dog counting where features of both dogs living in house and streets can be reported with GPS coordinate information.

My Contribution – Design and development of android application and the PHP server.

Repository: - github.com/HishanIndrajith/dogapp

Details: - hishan.me/dogapp.html

Multi threaded Auction System for Stock Exchange Using Java Sockets

Individual Project Aug 2017 – Sept 2017

Java, OOP

It is an auction server with a GUI that multiple clients can connect and bid for stock items using Linux nc client. Java sockets, threads were the technologies used. This is a Java project that I did in second year.

Repository: - <https://github.com/HishanIndrajith/java-Auction-Server>

Details: - hishan.me/auctionsystem.html

Pera EMS - Electronic Medical System for University of Peradeniya

Group Project June 2017 – Present

PHP, HTML, MySQL, Java, OOP

Computerized System for University Health Center of University of Peradeniya started as the database development project in 2nd year. It is continued using java in 3rd year.

My Contribution – Design and development of the backend and frontend program.

Repository: - github.com/HishanIndrajith/PeraEMS-Project

Details: - hishan.me/peraems.html

Python and OpenCV Based implementation to detect arrow directions

Individual Project Sept 2018 – Oct 2018

Python, OpenCV

Computer vision based algorithm was implemented to get the angle that the robot should rotate in order to follow the junction accurately for IESL robo games competition 2018.

Repository: - github.com/HishanIndrajith/ArrowDirectionPythonOpenCV

Details: - hishan.me/opencv.html

IServant

Individual Project July 2018 – Aug2018

Android, Firebase

Android app with a map where users can search and get information about nearest domestic jobs. (Maintenance, Cleaning) and earn some money. Firebase is used for data storage and Google maps API for map rendering. It was a project did for CodeZilla Hackathon organized by Uwa Wellassa University.

Repository: - github.com/HishanIndrajith/IServant

Details: - hishan.me/iservant.html

EXTRA CURRICULAR ACTIVITIES

Works as Junior Treasurer of ACES - Association of Computer Engineering Students - University of Peradeniya *Oct 2017 – Present*

Adding Tech videos to YouTube

Contributed to Arunella School Welfare Project as a Mathematics teacher in 2017

Participated ACES Hackathon 2017 and ACES Hackathon 2018.

Participated Codezilla 2018 Open Source Hackathon organized by Uwa Wellassa University.

ACHIEVEMENTS

Member of the School team who won **3rd** place at All-Island **MATHQUIZ 2013** organized by SLASS – Sri Lanka Association for the Advancement of Science in District School Science Day Program.

REFEREES

Dr. Isuru Nawinne
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