



Hishan Indrajith

Kurunegala, Sri Lanka



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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. Being a self-learner, I am eager to be challenged in order to grow and further improve my IT skills.

SKILLS

WORK

JAVA, OOP, Spring Boot, Python, C, JavaScript, MySQL, MongoDB, PHP, HTML5, CSS3, JavaScript, Bootstrap, Android Studio, Git, Angular

PERSONAL

Professional Fluency in English
Communication,
Creativity,
Self-Learning,
Hard Working.

HISHAN INDRAJITH

Computer Engineering Undergraduate

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github.com/HishanIndrajith

<https://gitlab.com/HishanIndrajith>

hackerrank.com/hishan_indrajith

Interested in Full stack Development, Mathematics and Problem Solving. A Self-Learner

EDUCATION

BSc Engineering (Hons) specialized in Computer Engineering (2016 – 2020)

University of Peradeniya GPA - 3.3/4.0

Professional Certificate in Java Development (2014 – 2015)

DREAMTEAM Academy of ICT & Design

GCE A/L (Mathematics Stream) and O/L (2006 – 2014)

Central College Kuliyaipitiya

WORKING EXPERIENCE

CodeGen International (Pvt) Ltd - Trainee Software Engineer

Feb 2019 – July 2019

I worked in Research and Development team and did few projects in web crawling and used java language and technologies such as Spring Boot, MySQL, jsoup, and Angular.

PROJECTS

Automation of Intelligence Preparation of the Battlefield

Group Project (Final Year Research Project)

Python, Flask, Algorithm Development, JavaScript, Web Application Development

This is the research and development of a decision support tool for military applications to automate intelligence preparation of battlefield (IPB). Under the project as milestones we developed a web-based platform to display overlays on a map and an infrastructure to efficiently store data for overlays and then integrated the data with web based tool through a REST API. Also we developed a grid based model to obtain combined obstacle overlay from overlay data and developed algorithms to generate potential mobility corridors in the terrain between two locations and do risk analysis for the corridors.

My Contribution – Developing the backend and IPB algorithms, Frontend Improvement

Details: - hishan.me/ipb.html

Networked and Automated Weather Monitoring and Alerting System

Group Project

PHP, HTML, Arduino

System to monitor weather information using an embedded system with a complete web application with live maps, charts and a live notification system about extreme weather

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

Details: - hishan.me/weather.html

Development of Dog counting and locating App for Dog population control

Group Project

Java, PHP, Android, Agile Method

Mobile Application and an admin system for department of veterinary clinical science, University of Peradeniya that can be used for recording dogs with location information.

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

Details: - hishan.me/doqapp.html

APPC PERA - Automatic Professional Portrait Creator

Group Project

Python, Image processing and computer vision using OpenCV

Automated photo processing tool for Faculty of Engineering, University of Peradeniya to overcome the difficulty of bulk manual processing to required format of the faculty.

My Contribution – Face position identification and processing

Details: - hishan.me/portrait-creator.html

Pera EMS - Electronic Medical System for University of Peradeniya

Group Project

PHP, HTML, MySQL, Java, OOP

Computerized System for University Health Center of University of Peradeniya.

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

Details: - hishan.me/peraems.html

Python and OpenCV Based implementation to detect arrow directions

Individual Project

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.

Details: - hishan.me/opencv.html

Multithreaded Auction System for Stock Exchange Using Java Sockets

Individual Project

Java, OOP

It is an auction server with a GUI that multiple clients can connect and bid for stock items using Linux nc client.

Details: - hishan.me/auctionsystem.html

IServant

Individual Project

Android, Firebase

Android app with a map where users can search and get information about nearest domestic jobs (Maintenance, Cleaning etc.) to earn some money. It was a project did for CodeZilla Hackathon organized by Uwa Wellassa University.

Details: - hishan.me/iservant.html

EXTRA CURRICULAR ACTIVITIES

Worked as Junior Treasurer of ACES - Association of Computer Engineering Students - University of Peradeniya Oct 2017 – Feb 2019

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

Participated ACES Hackathon 2017, ACES Hackathon 2018 and ACES Coders 2018

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

Adding Technology videos to YouTube as hobby

ACHIEVEMENTS

2nd Place of Second Round of CODE-CONQUEST 2019 organized by 99x Technology.

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

All Island 10th place ACES Coders v7.0 over 120 island wide teams

REFEREES

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