

PERSONAL SKILLS

- Friendly and team working skills
- Leadership skills
- Desire to learn and quick learning
- Critical thinking and problem solving skills
- Communication skills in both Sinhala and English Languages

PROFESSIONAL SKILLS

Programming Skills :

Java, TypeScript, JavaScript, CSS, C++, Python, Prolog

Database Skills :

SQLite, MySQL, MongoDB

IDE :

NetBeans, Android Studio, Visual Studio Code, IntelliJ IDEA

Frameworks:

ReactJS, Spring Boot, Ant Design

Test Frameworks and Tools:

Jest, JUnit

Operating Systems:

Linux, Windows

Other Skills:

Outsystems

INTERESTS

- Data Structures and Algorithm
- Web Development
- Machine Learning
- Databases

PROJECTS AND RESEARCH

"Sinhala Sign Language Translator for Deaf and Speech Impaired People using Convolutional Neural Network"

(Final Year Individual Project - 2019)

A desktop application to capture hand gestures (representing Sinhala Sign Language) and then to translate it into Sinhala Spoken Language in order to overcome the language barrier between deaf and speech impaired people and common people

Technologies: Python, OpenCV, Android Studio

"A Review on Chatbot based Dog Disease Diagnosing Expert System"

(Review Paper for the Independent Study module in 3rd Year - 2018)

The Review Paper discusses about the existing Expert Systems and Chatbots and about the results obtained from the survey conducted on the importance of a dog disease diagnosing system

"Students' Attendance and Results Management System using OCR Image Processing"

(Second Year Software Group Project - 2017)

The students' attendance at a lecture is automatically updated by scanning a signing sheet and using Optical Character Recognition. Also the system has an automatic calculation section for results obtained by students at semester exams

Technologies: php, HTML, CSS, JavaScript, OCR

"Smart Trash System"

(First Year Group Project in Hardware - 2016)

The Smart Trash System helps in auto-management of waste without human interaction in order to maintain a clean environment. The proposed robot is developed to collect filled garbage bins and to take them to the nearest garbage collecting and recycling centre

Technologies: IR technology, Arduino, Sensor technology

NON RELATED REFREES

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PUBLICATIONS

VJ Samarasinghe, SCM De Silva Sirisuriya, N Wedasinghe and IA Wijethunga, "Sign Language Translator for Deaf and Speech Impaired People Using Convolutional Neural Network", 12th International Research Conference KDU, 2019

EXTRA CURRICULAR ACTIVITIES

- Member of Maths Society | 2012 - 2014
- Member of Buddhist Society | 2010 - 2014
- Member of Drug Prevention Society | 2010 - 2014
- Student Co-ordinator at Seylan Bank's Student Savings Centre | 2011
- Completed IWMS Examinations in Spoken English
- Certificate in completion of Java Tutorial course in Solo Learn | 2017

PERSONAL INFORMATION

Full Name : Vinodya Janarangi Samarasinghe

Date of Birth : 13 October 1995

Gender : Female