Chathura Widanage

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Educational qualifications

2012 – Present	:	University of Moratuwa
		B.Sc Engineering (Undergraduate) in Integrated Computer Science
		Current GPA: 3.851/4.2
2006 – 2011	:	Maliyadeva College
		GCE O/L Results | **8As, 1B**
		GCE A/L Results | **3As** | District rank: **8** | Island rank: **135**

Professional Qualifications

2012	:	Oracle Certified Professional Java SE Programmer (**OCPJP**)

Work Experience

2015 – 2016 (6 months)	:	Adroitlogic (Pvt) Ltd. - Software Engineering Intern
2011 – 2012	:	Thineth Software Solutions (Pvt) Ltd. - Java & Web developer
2012(4 months)	:	Java Instructor at Dreamteam Academy of ICT, Kurunegala, Sri Lanka
2014 – Present	:	Fiverr - Freelance Developer | 190+ customer reviews
2015 – 2016	:	Moraspirit - Web designer & Developer

Projects

District Nutrition Monitoring System
Application developed for Health Informatics Society of Sri Lanka to monitor the nutrition status of children at district level. MOH doctors, sisters and the midwives are the end users of this application. | GitHub
Java, Spring, Maven, Hibernate, Angular jS, HTML, CSS

Tracker Longitudinal Charts - DHIS2
This is a GSoC project done with District Health Information Systems. This adds the capability of creating and viewing longitudinal charts of tracked entity instances of DHIS2 open source software. | GitHub
Java, Spring, Maven, Hibernate, Angular jS, HTML, CSS

"Suraksha", open source disaster response platform
This platform is capable of managing disaster response centers, communicate their needs with public. People can use this platform to donate and help disaster response centers. System is capable of looking up people in the disaster response centers by using facial recognition technologies. | GitHub
Java, MySQL, Spring, Hibernate, Angular JS, Computer Vision

"Spandha", a wearable health device
Spandha is a wearable health device which can be used to keep track of the health of elderly people. This device is capable of monitoring the heartbeat and body temperature continuously. Further this can detect if person falls and send a sms alert to a pre saved mobile phone.
Arduino, Java, MySQL, Dialog Ideamart

"Seeds", the location based social network

A location based social network that can be accessed by sms or USSD supported phones. User can plant a seed (which is like a tweet) at a location and anyone who is within 5km can read those seeds. Users can water (Similar to like) seeds planted by others, if they are useful at that location. Seed will remain alive at that location only if it get enough water.

Dialog Ideamart APIs, PHP, MySQL, Linux

SMS based automated live score board and SMS based treasure hunt for CSE Outboundz event. [IoT]

A SMS based platform where game coordinators can update the scores of the competed teams instantly. These scores will be real-time updated in a live scoreboard and teams will be ranked accordingly.
Parallel to this system, an application was developed to handle the treasure hunt of the outboundz event via sms.

Dialog Ideamart APIs, Angular JS, PHP, MySQL, CSS

CSE Partner Network

Took part in the development of the platform that was built to connect CSE department with the industry.

JQuery, PHP, CSS, MySQL

"Sense" The smart band which connects you [IoT]

Sense is a WiFi enabled wearable device (a hand band) which is always connected to the user's facebook account. This device has the ability to match people based on their likes, interests and recent activities.

PHP, Android, Lua, Facebook API, ESP8266, NodeMCU, MySQL, VPS

Moraspirit Sports Channel

The first website in Sri Lanka that is dedicated to broadcast live score updates of Inter University games, which includes live streaming facility as well as live mobile alerts sending (sms) facility.

Angular JS, MySQL, PHP, Ideamart APIs, Bootstrap

"Gravitron Quest" a game which challenges the gravity

An android game where player have to use the concepts of gravity to move a spaceship without hitting the obstacles.

Android, libGdx Engine, Java

Nanosoft eTution Manager

An android application for, 'E tution manager' which is an off the shelf product developed by nanosoft technologies; coupled with a barcode reader to read the student identity cards and app brings most of the functionalities provided by the desktop application to the mobile device.

Android, PHP, Java

Multiplayer blackjack game

An online multiplayer blackjack cards game that completely relies on javascript technologies.

Node JS, Socket.io, Create JS, MongoDB

Nigandu

A dictionary & herbs database for Sinhala Aurvedhic Medicine where the user can search the dictionary either in Sinhala or phonetic.

CSS3, Javascript, HTML, AJAX, JQuery, MySQL

Moradevans

The official web portal for moradevans community which includes a forum, a contacts book, members management, member profiles and image galleries.

Angular JS, PHP, HTML5, CSS3, JQuery, Bootstrap

Hotels & Restaurant management System – Thineth Software Solutions
A management system including a re-usable accounting package, which can be used in hotels or restaurants to manage tables, orders, room bookings, salary payments etc.
Java SE, Java Swing, MySQL

Vehicle Reservation System – Thineth Software Solutions
A system to manage the vehicle reservations of car renting services.
Java SE, Java Swing, MySQL

Taylor shops management System – Thineth Software Solutions
Includes accounting, reminders, measurement recordings, customer details recording.
Java SE, Java Swing, MySQL

Course Projects

Multi model Self Driving Autonomous Car (CS2982: Automation Challenge II – Semester 4)
The car has the ability to avoid the obstacles and travel on a road by detecting the lanes. Three different algorithms are used for lane detection, that suites three different road conditions. (High ways, Noisy roads, Indoor roads)
OpenCV, java, Rasberry Pi, node js, Arduino

Restaurant Management System (CS2242: Embedded Software development – Semester 3)
A desktop application to manage the accounts and activities of a restaurant.
Java, MySQL

"Remindme", the smart digital assistant (CS3272: Embedded database systems – Semester 4)
Android application, which has the ability to remind the user, events based on time and geo location. The user can synchronize his events over multiple devices.
Android, PHP, MySQL

Ball picking robot who can follow the lines (CS1962 Engineering Skill Development – Semester 2)
Developed a robot that can carry a ball from one location to another, which has the ability to follow a white line and avoid the obstacles on the path.
Arduino

"Walking Trucks" Documentary Production (DE2370 Video Production – Semester 3)
Documentary film based on the `naattaami` (porter) life in Pettah.

Volunteering & Causes

2015   :   **Mercon**
                         Developed the official web site for Mercon2015, which is a research conference conducted by University of Moratuwa.
                         HTML5, CSS3, Javascript, Boostrap

2015   :   **National Volunteer Secretariat**
                         Phase two (bug fixes and feature adding) of http://vsrilanka.lk/ development.
                         Symfony framework
2015   :   **IESL Robogames Workshops**
                         Conducted district level Arduino workshops for the school students.

Achievements

2016   :   GSoC 2016 | Organization : District Health Information Systems

2016	:	Augmented Human Conference 2016, Switzerland	Student Challenge	**Final 10**

2016   :   AngelHack, Colombo | **1st runner up**
Developed Suraksha, an open source disaster management platform

2016   :   IEEEXtreme 9.0 | **8th in Sri Lanka | 151st Global Rank**

2015   :   ACES Coders 5.0 | **1st runner up**

2015   :   Morahack 2015 | **1st runner up**
Developed Spandha, a wareable health monitoring device.

2015   :   Google I/O Extended Hackothn | **Most user friendly app**
Developed the wearable device 'Sense'

2015   :   Fugosticka 2.0, Mobile game development competition | **2nd runner up**
Developed the mobile game "Gravitron Quest"

2015   :   Epic Code | **6th in Sri Lanka**

2014   :   Ideamart Code ultimum | **Winners**
Developed the location based social network *"Seeds"*

2014   :   IEEEXtreme 8.0 | **22nd in Sri Lanka | 224th Global Rank**

Software Skills

Languages	:	java(SE/EE), javascript, HTML+CSS, PHP, C/C++, JSP, SQL, Groovy
Libs/frameworks	:	Spring, Hibernate, OpenCV, JQuery, Angular JS, Jasper Report, Node JS, Bootstrap, MongoDB, Symfony
Platforms	:	Android, Windows, Linux, Arduino, PIC
Tools	:	Netbeans, IntelliJ, Git

Awards

2015	:	**Dean's List**, Faculty of Engineering University of Moratuwa	**1st** , **2nd** , **3rd and 5th** Semesters
2015	:	**Recognition award** at Annual **Awards Ceremony, University of Mortuwa** for non academic achievements in the year 2015.
2008	:	**Gold medal** for **"Best all-round Student 2008"**, Maliyadeva College
2005	:	**Best Chess Player 2005,** Colors Awarding Ceremony - Maliyadeva College
2005, 2006	:	A**ll island best chess player** of 1st board
2011	:	**Higher Distinction,** Sri Lankan Mathematics Olympiad

Extra-Curricular Activates

2003 – 2010	:	Player of Maliyadeva College chess team.	2003, 2005, 2006 (all island champs)
2006 – 2010	:	Member of the college choir, Maliyadeva College.	2007 all island winners
2007 - 2011	:	Red Cross member
2010	:	Secretory, "Globe Club" Maliyadeva College

References

Available on request