milan**harindu**

about
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13-01-1990

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languages
Sinhala
English

experienced in
♥ JAVA, C, C++
Python, SQL
C#, dotNET
JavaScript, PHP
CSS3 & HTML5, Ajax
jQuery & jQueryMobile
CMS(Joomla, WP)
UML, LaTeX

familiar platforms
Linux, Mac OSX
Windows, Android

career objective

To work at a challenging, cutting edge technology position where I can enhance my skills and knowledge which focuses on the applications in every angle of technology that going beyond ordinary expectations

education

2010-2014	**BSc.** in Computer Science (Pending)	University of Colombo School of Computing
	Current GPA – 3.27	

2006-2009	**GCE A/L Examination** Science Stream	Taxila Central College, Horana
	Qualified with 2 B's , and a C (*Z Score – 1.6558*)	

2000-2005	**GCE O/L Examination**	Taxila Central College, Horana
	Qualified with 6 As, 1 B and 2 Cs	

professional experience

2013-2014	**Trainee Developer**	University of Colombo School of Computing

Modeling and Simulation Group,
Siyara VTMS is a Vessel Traffic Monitoring Solution(VTMS) for commercial ports which is currently up and running at the Colombo Harbor. It is capable of visualising exact position of ships in a computer simulated environment by decoding Automatic Identification System(AIS) signals.

Key Responsibilities:
- Designed and developed the Siyara VTMS Mobile Application (Android, PHP, MySQL)
- Designed and developed a FAL FORM Automation Application (C#, dot-NET, MySQL)
- Redesigned the 3D VTMS application (C++, MySQL)
- Application testing and documentation
- Maintain backups and version controlling

Exposure:
- Participated to both local(NBQSA 2013) and international(APICTA 2013, Hong Kong) competitions
- Gained the knowledge of research concepts and methodologies

| 2013-present | **Mobile Application Developer** | University of Colombo School of Computing |

National level research project "Social Life Networking",
Food Security and Data Collection project for Forecasting of Food Production Database.

Key Responsibilities:
- Designed and developed modules such as Crop Planning, Crop History and My Offerings (PHP, MySQL, Java Script, jQuery, JQuery Mobile)
- Source code re-factoring and testing

Exposure:
- Worked with international collaborative research team
- Gained the knowledge of research concepts and methodologies

| 2014-present | **Research Assistant - Part Time** | University of Colombo School of Computing |

Modeling and Simulation Group,
Involving in development of 2nd phase of the Siyara VTMS total solution.

Key Responsibilities:
- Ported the current version to support Linux and Mac OSX (C++, QT, MySQL)
- Source code re-factoring and testing

project involvements

| 2014 | **Final Year Research Project** | Individual Project |

Title: Evaluating Situational Awareness in Virtual VTMS using Psychophysiological Measures
This research study will be investigating which virtual Vessel Traffic Monitoring System (VTMS) is better among the models having 2D and 3D interfaces for providing a better Situational Awareness about a harbor environment. It intends to use Psychophysiological measures captured from EEG data for assessing Situational Awareness

| 2013 | **EVENT iCON** Event Organizing Application | Group Project - Team Leader |

This application caters both event organizing people and participants. The concept behind EVENT iCON is an unique one which takes event organizing and communication among participants to a new paradigm.
Technologies used: J2EE, MySQL, JS, HTML, Sencha, Apache Cordova

| 2013 | **IPVC** Image Processing Video Codec | Group Project |

This application is a video codec which uses various type of image processing techniques in order to compress the size of the video as well as enhance the quality
Technologies used: C++, QT, OpenCV

| 2013 | **QuickBook Replacement Application** Inventory Control System | Individual Project |

This application currently using at Vidma Electricals (PVT) LTD,Rajagiriya.
Technologies used: J2SE + JDBC, MySQL, Jasper Reports

achievements

2013	**Participated to Asia Pacific ICT Alliance in Hong Kong**	APICTA 2013

Represented the University of Colombo School of Computing for Siyara VTMS under research and development category

2013	**Won 1st place in R&D category at National Best Quality Software Award**	NBQSA 2013

Represented the University of Colombo School of Computing for Siyara VTMS under research and development category

2012	**Qualified for the final round ROBOFEST 2012**	SLIIT

Designed a Robo and participated for the competition

2011-2013	**Got the rank of 337 in IEEE XTreme 24 hours Coding Competition 2012**	IEEE

Participated for the competition since 2011

2008	**Obtained Vadya Visharadh from Bhathkande Sangit Vidyapith**	Tabla

Studied Tabla almost 8 years and completed the visharadh exams at Bhathkande Sangit Vidyapith, Lucknow, India

2007	**Obtained Distinct pass for Australian Chemistry Quiz**	RACI

Got selected to participate for the chemistry quiz which was conducted by Royal Australian Chemical Institute

2003-2004	**All island first in Group Singing**	Folk Music

Participated to the competition in both 2003 and 2004 and won the 1st place

extra curricular activities

2014-present	**Appointed as the Project Coordinator**	COMPSOC

Computer Science Society University of Colombo

2014-present	**Appinted as a Committee Member**	SWASTIKA

Swastika Interact Club, Panadura

2013	**Appointed and served as the Assistant Secretary**	IEEE Student Branch

University of Colombo School of Computing

2012	**Appointed and served as the Vice President**	LEO

Wadduwa Future Path LEO Club

2011-2012	**A speaker of the radio program "Internet Sampath Bhavithaya"**	SLBC

Swedeshiya Sevaya, Sri Lanka Broadcasting Cooperation

2011-present	**Student member of the IEEE**	IEEE

Active member of Institute of Electronics and Electrical Engineers(IEEE) Student Branch of University of Colombo School of Computing

2010-2013	**Organized and Conducted several Educational Workshops**	Public Service

Under Computer Science Society, several educational workshops and exhibitions have been organized for Government Schools students including rural areas

publications

- **Non-Invasive Stress Detection Using Computers**
  - A literature review done in candidacy for the degree of Bachelor in Computer Science.

interests

- Embedded Systems and Robotics
- Cognitive and Neural Science
- Mobile Computing
- Networking and Communication
- Computational Pattern Recognition
- High Performance Computing
- Music

referees

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