


# Curriculum Vitae

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## Objective

To engage myself in a challenging working environment in the field of computer science and software engineering that would allow me to utilize my skills and capabilities, while further enhancing my skills and knowledge.

## Academic Qualifications

2009 – 2013 (Pending)	<b>Bachelor of Science in Computer Science</b> University of Colombo School of Computing	GPA: 3.47
2008	<b>General Certificate of Education (Advanced Level – Maths stream)</b> Ananda College Colombo 10, Sri Lanka.	
2006	<b>EDEXCEL General Certificate of Education (Ordinary Level)</b> Royal Institute Havelock Town, Kirulapone, Sri Lanka.	
2005	<b>Local General Certificate of Education (Ordinary Level)</b>	

## Professional Qualifications

- Followed Sun Certified Java Programmer examination training program in 2008.
- Followed Sun Certified Mobile Application Developer (SCMAD) examination training program in 2009.
- Followed CCNA examination training program with practical at Netlabs institute in 2011.
- Cisco Certified Network Associate (ICND1 and ICND2- Routing & Switching), 2012

## Work Experience

### **Intern – ERA-Insight, GTO**

#### **Virtusa Pvt. Ltd.**

752, Dr Danister De Silva Mawatha, Colombo 09.

(From April 2012 to September 2012)

- Worked on ERA-Insight code analyzer project at Virtusa Global Technology Office.
- Developed a Groovy code analyzer plug-in for ERA-Insight code analyzer.
- Contributed to an open-source project called “GMetrics” (Groovy static code analyzer tool) by implementing additional metric results.
- Technologies/Core skills: GROOVY, JAVA, XSLT, XML, APACHE ANT, APACHE VELOCITY.

## Project Experience

### • **Google Summer of Code – Dynamic Portable App for Vesuvius Platform (2013)**

- Worked for Sahana Software Foundation as a GSOC student under two mentors who are experts in software industry and in the field of disaster management.
- Developed a Windows portable application for a web based (PHP) system.
- Developed a module using PHP that dynamically creates a portable version.
- Developed a portable DNS server as a part of the project.

### • **Final Year Research Project – Semantic Context-Aware Service Discovery with QoS Support in Opportunistic Mobile Networks (2013)**

- Designed a conceptual model to support semantic service discovery to be used in disaster situations.
- Exposure to OWL-S ontology and SOUPA ontology for pervasive computing.

### • **Human Resources Management System (2010)**

- Developed a human resources management system for Central Environmental Authority of Sri Lanka and managed to significantly improve HR services.
- Collaborated with a team of 3 people in all stages of development life cycle, and collaborated with company IT staff to deploy the system.
- Used technologies: J2EE, Spring Framework, Hibernate Persistence, HQL, MySQL, HTML, XML, Ajax, JavaScript and JQuery, JSON, SVN version control.

### • **Computer Science Society Website (2010)**

- Took part in the development of the official web-site for Computer Science Society University of Colombo (CompSoc) working with a team of 10 people.
- Website URL: <http://www.compsoc.lk>
- Used technologies: Joomla CMS, MySQL, PHP, HTML, XML and JavaScript

### • **Document Management System (2010)**

- Developed a web-based document management system for Faculty of Medicine University of Colombo.
- Collaborated with a team of 10 people in all stages of development cycle.
- Website URL: <http://dms.med.cmb.ac.lk>

### • **Mobile Bluetooth Multiplayer Game (2009)**

- Developed a multiplayer game called “Turbo Tank” for mobile phones using J2ME platform which utilizes Bluetooth interface to create a multiplayer gaming environment.
- Used technologies – Java ME, RFCOMM, MIDP 2.0, CLDC 1.1, Java Wireless Toolkit 2.5

### Skills and Interests

- Proficient in C++, PHP, JavaScript, Python, R, Java languages, J2EE platform, Hibernate framework and Spring framework.
- Sound knowledge in Object Oriented Programming concepts.
- Experience in developing under Linux (CentOS, Debian, Ubuntu) and Windows environments.
- Capable of grasping new technologies, methodologies and concepts quickly.
- Interested in learning and experimenting with computer networks and Mobile Ad-hoc Networks (MANETs).
- Experience in designing and developing ad-hoc sensor system using TinyOS and Contiki platforms.

### Extra-Curricular Activities & Achievements

- Elected as the CompSoc (Computer Science Society) website administrator (Office Bearer): 2011-2012
- Elected as the CompSoc junior treasurer (Office Bearer): 2012-Present
- Participated in conducting IT workshops: 2010-Present
- Elected as the treasurer of IEEE UCSC student branch (IEEE membership No. 91252970): 2012-Present
- Participated in IEEEExtreme Coding competition: 2011, 2012

### Sports

- Mastered martial art of Karate-do from the age of 13. Successfully completed grading tests up to Black Belt 2<sup>nd</sup> Dan.
- Participated in Karate competition held by Budokan, Sri Lanka Karate association in 2009 and won the bronze medal in Kata style.

### Hobbies and Interests

- Reading technology related books, magazines and Sci-Fi novels.
- Playing guitar, watching Sci-Fi movies and TV-series.

### Non Related Referees

**Dr. D. Damitha Karunaratne**

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I hereby certify that the above information is true and accurate to the best of my knowledge.

A.V. Akila Ravihansa Perera

Date: 15/09/2013