


Curriculum Vitae

Full Name	Amarathunga Vithange Akila Ravihansa Perera			
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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)	Bachelor of Science in Computer Science University of Colombo School of Computing	GPA: 3.47
2008	General Certificate of Education (Advanced Level – Maths stream) Ananda College Colombo 10, Sri Lanka.	Chemistry: A Physics: B Combined Maths: C Z-score: 1.9147
2006	EDEXCEL General Certificate of Education (Ordinary Level) Royal Institute Havelock Town, Kirulapone, Sri Lanka.	Mathematics: A English: A Chemistry: B Physics: A
2005	Local General Certificate of Education (Ordinary Level) Ananda College, Colombo 10.	

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 sessions 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, mentored by experts in the fields of open-source software engineering and disaster management.
- Developed a Windows portable application for a web based (PHP) system.
- Developed a module using PHP that dynamically creates a portable version.
- Integrated a DHCP server coupled with a portable DNS server to create a WiFi hotspot environment 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

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 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

- Won 2nd runner-up in Information Security Quiz 2013 organized by Sri Lanka CERT.
- Elected as the junior treasurer of Computer Science Society: 2012 - present
- Participated in conducting IT workshops for school students: 2010 - present
- Elected as the treasurer of IEEE UCSC student branch (IEEE membership No. 91252970): 2012 - present
- Participated in IEEEExtreme Coding competition: 2011, 2012
- Microsoft Imagine Cup 2011 - qualified to semi-finals, team Heliopsis.

Sports

- Mastered martial art of Karate-do from the age of 13.
- Successfully completed grading tests up to Black Belt 2nd Dan confirm.
- Participated in Budokan inter-club Karate competition 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. Damitha Karunaratne

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University of Colombo School of Computing,
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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