

Madhawa Bandara

320/11 • Makola North • Makola

MOBILE 0777487726 • **E-MAIL** madhawa.mb@gmail.com

LINEKEDIN lk.linkedin.com/in/madhawabandara

WEBSITE <http://techstyleit.blogspot.com/>



My passion for Computer Science and long term experience in sports have given me the ability to push my capabilities beyond limits to solve problems and achieve targets in challenging environments as a self-motivated individual as well as a team player.

Intend to apply my experience, knowledge and skills in Scientific Research, Computer Science and Software Engineering to achieve organizational goals of the company I work for.

EDUCATION

2009 - 2012 **University of Colombo School of Computing**
Bachelor of Science in Computer Science

Current GPA: 3.62

Major Course Modules: Data Structures & Algorithms, Operating Systems, DBMS, High Performance Computing, System Programming, Cryptography

Ananda College, Colombo 10

2008 G.C.E Advanced Level in Physical Sciences: 4 Subjects – 3 B's 1A

2005 G.C.E Ordinary Level 10 Subjects - 9 A's 1B

PROFESSIONAL EXPERIENCE

2012 Apr- Oct **Trainee Software Engineer, Virtusa Pvt. Ltd.**

Accounts worked in: ERA Insight, Virtusa Mobility

2012 to Present **Lecturer (Part Time), Royal Computer Institute, Kiribathgoda**

Subjects: Java, C/C++

PROJECT EXPERIENCE

Investigation of Mixed Mode Programming on GPU Clusters for Matrix-Matrix Multiplication
(Final year individual research). The Research area is High Performance Computing and the objective is to find the efficient hybrid programming modes on a GPU cluster

(Supervisor: Dr. Nalin Ranasinghe)

Technologies: CUDA C, UPC, MPI, GPU Cluster programming, parallel hardware programming.

ERA Insight Mobile Application - Internship in Virtusa. A mobile web app with java backend.
Technologies: HTML5, PhoneGap, jQuery, AJAX, Java, myBatis, JSON, Spring, Spring Security, OAUTH 2.0, Apache tomcat, WSO2 API Manager.

HyperTag Mobile App - Virtusa Mobility Mobile Hackathon 2012.
Technologies: Android, Java.

Student Collaboration Framework for University Students (3rd year final project)
Technologies: Zimbra collaboration server, LDAP server, Java, Spring Framework, Maven, Jasper Reporting.

Human Resource Management System for Lanka Hospitals PLC (RAD Project)
Technologies: PHP, MySQL, JavaScript, Joomla.

Document Management System for University of Colombo Faculty of Medicine
Technologies: Joomla, PHP, MySQL, CSS, XML.

Lifeline: Messenger + Disaster Management Mobile App
National Semifinalist in Microsoft Imagine Cup 2011.
Technologies: C#.NET, Silverlight, Windows Phone.

In addition, have done several freelancer projects in Java and PHP as an independent developer
E.g. Content Mgt Systems, Online Shopping Sites, Inventory Control Systems etc.

TECHNICAL SKILLS & INTERESTS

Research Interests

High Performance Computing
GPU Computing
Semantic Web
Distributed Computing
Computer Architecture
Computer Security
Mobile Computing

Tools & Technologies

IDEs: Netbeans, Eclipse, Visual Studio
CMSs: Joomla, Wordpress, Drupal
Servers: Apache, Apache Tomcat, JBoss
OS: Linux and Windows
Other: UML, Apache Axis, Apache Ant, Maven, SVN, TFS

Programming Languages & Frameworks

Proficient in Java Framework, C/C++,
CUDA C, MPI, Python, HTML5, PHP,
MySQL, MS SQL

Average experience in
.Net Framework, Hibernate, PHP,
OpenMP, UPC, Spring, myBatis

Sound knowledge in Object Oriented
Concepts and DBMS Concepts

Mobile Development

Familiar with HTML5, jQuery, PhoneGap
Average experience in Android, Windows
Phone 8.

ACHIEVEMENTS & ACTIVITIES

SPORTS

- **Rowing: National Level Senior Oarsman.**
- Former Senior Member of the Ananda College Rowing Club (2005-2009).
1st Runners-up (Silver Medalist) in Rowing Nationals 2005
1st Place (Gold Medalist) in St. Joseph's Sprints inter-School Regatta 2006
1st Place in Ananda vs. University of Moratuwa Regatta 2007
- Former Member of the University of Colombo Rowing Club.
- Former member of Ananda College Aquatic Club (2003-2006).

TECHNOLOGY

- **Microsoft Student Partner in Microsoft Sri Lanka.**
- Semifinalist (*Team Heliopsis*) in Microsoft Imagine Cup Sri Lanka 2011.
- Member of the Computer Society University of Colombo (CompSoc).
- Member of IEEE UCSC Branch and Student member of IEEE.
- Competed in Virtusa Mobility Hackathon, 2012.
- Competed in IEEE Extreme 5.0 programming Competition 2012.

OTHER

- **Volunteer in SL2College, Sri Lanka.**
- Voluntary lecturer and organizer of the island wide workshops organized by the Computer Society of University of Colombo.
- Presenter at the live radio program, "*Internet Sampath Bhavithaya*", conducted by the Sri Lanka Broadcasting Corporation (SLBC) in collaboration with UCSC.
- Article writer for the Computer Society of University of Colombo web page.
- Drummer, Guitarist and a music lover
- Literature, Cinema and Art Enthusiast

REFEREES

Dr. D.N. Ranasinghe
BSc(Lond), MSc(Lond), DIC(Lond), PhD(Cardiff)
Senior Lecturer
University of Colombo School of Computing,
35, Philip Gunawardana Mw,
Colombo 07, Sri Lanka.
Email: dnr@ucsc.cmb.ac.lk
Contact: 0112158961

Mr. Wellington Perera
DPE Director
Microsoft Sri Lanka
No. 42, 11th Floor,
DHPL Building,
Nawam Mawatha,
Colombo 02.
Email: wellip@microsoft.com
Mobile: 0777281021

I hereby certify that the above particulars are true and accurate to the best of my knowledge.

H.K. Madhawa Madhusanka Bandara
19/09/2013