



Dilini Asanga Muthumala

Address: No: 1/23, Siripala Road, Mount Lavinia
Mobile: +94-713400029
Email: diliniasang@gmail.com
LinkedIn Profile: <http://lk.linkedin.com/in/diliniMuthumala>

OBJECTIVE

Being highly passionate on Computer Science, I look forward for a challenging Software Engineer position, in a team, that will not only allow me to contribute my knowledge and skills, but also drive me to seek for new knowledge.

UNIVERSITY EDUCATION

Bachelor of Science in Computer Science

2009-2013(expected)

University of Colombo School of Computing

- Current GPA: **3.74** out of 4

Results Summary (as at 15-Sep-2013)	A+	A	A-	B+	B	B-
	5	12	3	4	3	2

Course Work Includes the modules:

- High Performance Computing
- Advanced Data Structures and Algorithms
- Advanced Database Management Systems
- System Programming
- Operating Systems
- Compilers and Automata Theory

PROJECT EXPERIENCE (UNIVERSITY)

- Fourth Year Individual Research Project Jan 2013-Present

Optimizing Concurrent Queries in Wireless Sensor Networks

By taking concurrency factor as an advantage, optimize multiple user-queries, posed at an extremely resource constrained, ad-hoc environment.

*Optimizing **TikiriDB** Database Abstraction Layer on **Contiki Operating System** (written in C), and simulating on **Cooja**: A Network Simulator for Contiki.*

- Third Year Group Project Oct 2011- March 2012

TrafficMate: A system to detect Road Traffic Congestion by collecting motion-data from Smart Phones, carried out by drivers and passengers.

- Server Side Programming: *Java, JSP, javascript* on *GlassFish* server
- Database: *MySQL*
- Report Generation: *Jasper Reports, iReport*
- Signal Processing: *MATLAB*

- **Pawning Management System**

Oct 2010- March 2011

Developed for Wayamba Co-operative Rural Bank, Kurunegala

PHP, Joomla!, Jumi, MySQL

- **Resource Allocation Web Site**

April 2011- Sep 2011

Developed for University of Colombo School of Computing, Sri Lanka

PHP, MySQL, XML, CSS, HTML

INDUSTRY EXPERIENCE

Software Engineer (Intern) at Virtusa (Pvt) Ltd.

April 2012- Nov 2012

Allocated for the project: CodeSmart

- “CodeSmart” is an Individual Project Management tool, targeted for engineers in Virtusa.
- Actively contributed to all phases of the project: from Requirement Gathering - to successful Deployment.
- Properly followed the *Scrum Development Methodology*, under a Scrum Master.
- Major Development Tasks:
 - Management of the entire product and testing **Databases** (*SQL Server 2008 R2, SQL/TSQL*)
 - Implemented part of the **User Interface Layer** from scratch (*Java, Swing, JGoodies Binding Framework, Threading, Event Handling*)

SECONDARY EDUCATION

Visakha Vidyalaya, Colombo 5

1999- 2007

- GCE A/L Examination 2008 2 B's (Mathematics & Physics), 1 C (Chemistry)
- GCE O/L Examination 2004 10 Distinction passes

ACHIEVEMENTS

My third-year group project, **TrafficMate**, won several highly-recognized international and national awards, which are listed below.

- **Silver Award Winner - National Best Quality Software Awards (NBQSA)** **2012**
TrafficMate won the silver award at NBQSA 2012, under the *Tertiary Students* category.
- **Winner (International) - World Summit Awards (WSA)** **2012**
Won the WSA mobile award, under m-Media & News category. Event was held at Abu-Dhabi.
- **Nominee – Asia Pacific ICT (APICTA) Awards** **2012**
TrafficMate was nominated for APICTA awards, and represented Sri Lanka at Brunei, Darussalam.

PUBLICATIONS

“A sustainable mechanism for gathering road traffic data using smart-phones” published in Information and Communication Technology for Emerging Regions (ICTER) conference, held on December 2012, Colombo, Sri Lanka.

OTHER QUALIFICATIONS

MCTS 70-505: .Net Framework 3.5: Windows Forms Application Development
Followed a preparation course at ESOFIT and hope to sit for the exam.

EXTRA CURRICULAR ACTIVITIES

As an undergraduate:

- Member of the Microsoft Student Champs Community.
- Exhibitor in the *Ifop++ 2010*- Computer Science & Information Technology Exhibition- conducted by University of Colombo School of Computing.

As a school student:

- Member of the Junior Eastern Band of Visakha Vidyalaya 1999-2002
- Thurstan College-Colombo Aquatic Club member 2001-2004
- Member of the General Knowledge Club, Visakha Vidyalaya 2000-2002
- Member of the Computer Society, Visakha Vidyalaya 2005-2007

RESEARCH INTERESTS

- Wireless Sensor Networks
- Distributed Systems

PERSONAL INFORMATION

Age: 25 years
Gender: Female
Civil Status: Single
NIC number: 887551952v
Hobbies & Interests: Swimming, Exploring Nature, Wild Life Discovery

NON-RELATED REFEREES

Dr. (Mrs.) Jeevani Goonetillake

Senior Lecturer
University of Colombo School of Computing
No. 35, Reid Avenue
Colombo 07, Sri Lanka

Tel: +94-11-2591064 Ext. 8993
jsg@ucsc.cmb.ac.lk

Mr. Nadun Samarawickrama

Tech Lead
Process Quality Group – Tool Automation
Virtusa (Pvt) Ltd.
Colombo, Sri Lanka

Tel: +94-11-2385714 Ext. 2951
NSamarawickrama@virtusa.com