OLOKKUWE PATABENDIGE DILINI MADUSHIKA

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dilinimadushika89@gmail.com,
24 Years

PROFILE SUMMARY

An enthusiastic self-starter with strong leadership and communication skills. Proven academic and curricular achievements, and possess the right technical and soft skills required to propel the organization achieving its goals and objectives.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | CURRENT GPA: 3.5595

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING | 2009 – 2013

- **Major course work include:** Software Engineering, System Analysis and Design, Object Oriented Systems Development, Database Management Systems, Data Structures and Algorithms, Rapid Application Development, High Performance Computing, Computer Graphics and Vision

DEVI BALIKA VIDYALAYA, COLOMBO 8 | 2000 – 2008

- G. C. E. A/L in Physical Science stream

INTERNSHIPS/VACATION WORK EXPERIENCE

TRAINEE SOFTWARE ENGINEER

SIMCENTRIC TECHNOLOGIES (PVT.) LTD. | APR 2012 – DEC 2012

SimCentric Technologies is an R&D company specializing in advanced simulation add-ons and behavior control modules.

- Worked under a Senior Software Engineer in Internal Tools Department
- Engaged in **C++ software development**
- contributed in 4 projects, engaged in thread programming, functions development and testing, automated tools development and developer testing
- Used **MS Visual Studio 2008**, **Win32 API** and **Windows CMD commands technologies**, **Boost**, TinyXML and Recast **libraries**, LTProf, Shiny, Very Sleepy, Luke Stackwalker and GlowCode **profiling tools**, Cppcheck **testing tool**, **Tortoise SVN, TrueCrypt** and **Jira** tools
- Experienced in rapid application development, engaged in literature surveys and presentations

TRAINEE BANK ASSISTANT

PEOPLE'S BANK | JAN 2009 – JUN 2009

- Assisted with pawning, handled account opening, closing, transactions, handled telephone enquiries, filed customer accounts and general administrative work

PROJECT EXPERIENCE

INERTIAL SENSOR BASED INDOOR NAVIGATION SYSTEM | FINAL YEAR INDIVIDUAL RESEARCH PROJECT

- *A system which tracks an indoor pedestrian position*
- Using smart phone sensors (accelerometer, gyroscope and magnetometer)
- Pedestrian dead reckoning with step detection and heading inference
- Technologies used: **Java, Android SDK, Eclipse IDE and MATLAB for signal processing**

SIMVBS | PROJECT AT SIMCENTRIC TECHNOLOGIES (PVT.) LTD.

- *An internal tool intended to support VBS2Fusion (a product of SimCentric) developers. SimVBS acts as an emulator to VBS2 (Virtual Battlespace 2). (Usually VBS2 simulation system is used for VBS2Fusion testing)*
- My contributions: Added thread programming, designed and created the SimVBS GUI, added SimVBS Command Line Program Options, added an automated plugin runner and SimVBS function development and testing
- Technologies used: **Visual C++, Win32 API, Windows CMD commands and Boost, TinyXML and Recast libraries**

STUDENT ACCOMMODATION MANAGEMENT SYSTEM | THIRD YEAR GROUP PROJECT

- *A system which manages student accommodation serving for both students and property owners*
- A web-based system standing on a Geographical Information System (GIS)
- Technologies used: PHP, **PostgreSQL, Zend framework, JavaScript, Openlayers library and Ajax**

SKILLS AND TECHNOLOGY EXPERIENCE

- C++, Java, Python, PHP and Javascript languages
- Android framework
- Microsoft Visual Studio, Eclipse IDEs
- MYSQL and PostgreSQL

- Excellent team player with exceptional interpersonal communication skills
- Proficient communication skills

EXTRA CURRICULAR ACTIVITIES

- Committee Member of the **Buddhist Students' Association, University of Colombo** (2010-2011).
- Runners up 400m event at the **University Fresher's Athletic Championship** (2009).
- Member of the **school junior/senior dancing groups** (2001-2008).
- Participated in the Cultural Exchange Programme at **Newlands School, UK** (2004).
- Member of the **junior/senior prefects boards** (1998-2000).
- Completed **'Prathama'** (first) and **'Madyama'** (middle) levels in music-vocal examinations conducted by **'Bhathkande Sangeeth Vidyapit', India**.

ACHIEVEMENTS

- **'First Prize'** in Traditional Group Dance Competition at **'Celesta 2007'**, **The Competitive Festival for Art, Dancing, and Music & Drama** organized by the **City Montessori School, Lucknow, India** (2007).
- **Distinction award** for the achievement at the examination, being included in the **top 10%**, at the **'Sri Lankan Mathematics Competition 2007'** organized by the Sri Lanka Olympiad Mathematics Foundation.
- **Merit award with 'High Distinction'** in junior and senior divisions at **'Australian National Chemistry Quiz'** organized by The Royal Australian Chemistry Institute (2005, 2007).
- **All island winner** in 'Troupe Fork Dance' competition at **'Sri Lanka Annual Competitive Festival of Music, Dance & Speech'** organized by **British & International Federation for Music, Dance & Speech** (2001, 2003, and 2004).
- **'Super Badger' Award** at **St John Ambulance** (2000).

REFEREES

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