

# Andun S.L. Gunawardana

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University Of Moratuwa.

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## ○ Profile

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I am an enthusiastic person who loves to explore the world of computer science engineering. I am highly motivated and committed towards accomplishing the tasks assigned to me. I am determined in pursuing success within the way I proceed.

## ○ Career Objective

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To pursue a highly rewarding career in Computer Science and Engineering, seeking for a position in challenging and healthy work environment where I can utilize my skills and knowledge efficiently for achieving personal as well as organizational growth.

## ○ Academic Qualifications

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- Department of Computer Science and Engineering, University Of Moratuwa
  - 4<sup>th</sup> year Undergraduate
  - Current Overall GPA of 3.63
- St. Aloysius' College Galle
  - Passed GCE A/L 2008 with a Z Score of 2.5171
  - Passed GCE O/L 2004 with 9 A passes

## ○ Software Engineering Internship at WSO2 Lanka (Pvt) Ltd

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- Successfully completed 7 months of internship as a member of WSO2 Application Server team.
- Major project,
  - Streaming XPath Parser for WSO2 ESB  
Link - <http://goo.gl/iSphQ>
  - XACML Servlet Filter for WSO2 Application Server  
Link - <http://goo.gl/ucVGk>
  - Fast XSLT Mediator for WSO2 ESB
  - Patch management system for WSO2 Support Team
  - Test Automation for WSO2 ESB

*Technologies – Java, SOAP, XPath, XACML, JSP, JavaScript*

## ○ Google Summer of Code 2013

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- Project focuses on implementing a HTML5 Whiteboard for Apache OpenMeetings.

*Technologies – Apache Wicket, HTML5, JQuery, Java*

Link - <http://goo.gl/z083x>

## ○ Sith - Final Year Research Project

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- Sith is a crowd sourced perception capturing and analysis platform. This project focuses on creating a SaSS(Software as a Service) human capturing and perception analysis based on data mining and complex event processing.

*Technologies – Complex Event Processing, Map reduce, NodeJS, MongoDB, Hadoop, Android, JAVA, J2EE, JavaScript*

*Link - <http://andunslg.github.io/Sith/>*

## ○ Other Technological Projects

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- Travel Ceylon: Intelligent Travel Planner for Sri Lanka which runs on Android using a backend web services.

*Technologies – Java, Apache Axis 2, XML, Android*

*Link - <http://goo.gl/AkkTQ>*

- Lead Organizer: **IPv6 Day 2011 Conference - Sri Lanka** organized by The Department of Computer Science and Engineering of the University of Moratuwa and the IESL.

*Technologies – IPv6, JSON, PHP, HTML*

*Link - <http://www.ipv6day.lk/>*

- Organizer: **Cyber Security Drill 2011** organized by the Department of Computer Science and Engineering of the University of Moratuwa, in collaboration with TechCERT: A Division of .LK Domain Registry.

*Link - <http://www.techcert.lk/drill/>*

- Tank Game – A 3D artificial intelligent Game which plays against opponents on its own.

*Technologies – C#, XNA 4.0*

*Link - <http://goo.gl/LZ8wm>*

- MYJE - Navigation System for Sri Lanka and its robotic simulation which was build targeting EXMO 2010 exhibition and Innovation CSE 2010 competition.

*Technologies – C, C#*

*Link - <http://goo.gl/6DGBX>*

- Hacking JOSH –Operating System which have a simple kernel and a simple shell which can show hardware details of a computer.

*Technologies –x86 Assembly*

*Link - <http://goo.gl/WrBu6>*

- Intelligent Traffic Light System - This project focuses on developing a dynamically adopting traffic light system depending on the traffic level. Also this system has the manual override capability.

*Technologies – Electro Magnetic Sensors, PIC, C, C#*

Link - <http://goo.gl/RyTeP>

- IESL RoboGames 2010 – Successfully Competed

## ○ Other Projects

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- Lead Organizer: **Careers Day 2013** of Department of Computer Science and Engineering, University Of Moratuwa
- Lead Organizer: **RoboCross 2011 Competition & CSE Exhibition Stall** at Mini Infotel 2011 organized by FITIS and Telecommunication and IT Ministry and the Presidential Task Force for IT.

Link - <http://www.fitis.lk/infotel-2011.jsp>

- Organizer: **Engineering Research Unit Symposium, University Of Moratuwa.**
- Organizer: **Dayata Kirula 2011** CSE's Exhibition Stall.
- Organizer: Gamana –The Media Day of the School.
- Lead Organizer: Vibez 2011 – The fresher's welcome for the CSE Department.
- School's Premier 3D animation creator, Video Editor from 2004 to 2008.

## ○ Achievements

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- **Dean's List** of the faculty in 1<sup>st</sup> and 4<sup>th</sup> semester.
- **Oracle Certified Java Programmer** with 95 marks for the OCJP 1.5 exam.
- Successfully complete **IEEE Xtreme Programming Competition** in 2010, 2011 and 2012 winning world ranks.
- Elected as a **Batch Representative** of the batch 09 of Department of Computer Science and Engineering, University Of Moratuwa
- Was selected as student delegate for the **WSO2 Con 2011, WSO2 Con 2013.**
- Was selected as one of the **best 50 students in the Combined Mathematics** subject in **2008 A/L examination.**
- Won the **school's best performer** medal in the mathematics stream in **A/L examination 2008** with a Z score of 2.5171.
- Elected as **Junior Prefect** of the school – 2003 to 2004

## ○ Interests

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### Technological

- Cloud Computing
- SOA and Middleware
- Data Mining
- Intelligent Systems
- Big Data
- HCI
- Advanced applications of robotics and automation
- Reverse Engineering
- Embedded Systems

### Other

- Teaching
- Compeering
- Buddhism
- Learn about bringing Sinhala to a globally recognized position

## ○ Extra Curriculum Activities

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- University Of Moratuwa
  - Member of **IEEE**
  - An active Member of the **University's Buddhist Society**.
- St. Aloysius' College Galle
  - President of the **Schools IT club** – 2006 to 2007
  - Vice President, Assistant Secretary, Chief Technical Officer of the **School's Mass Media Unit** -2003 to 2008
  - Vice President of the school's **Science Society** – 2006 to 2007

## ○ Referees

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- **Mr. Samisa Abeysinghe,**

Vice President - Engineering  
WSO2 Lanka (Pvt) Ltd

E-mail: [samisa@wso2.com](mailto:samisa@wso2.com)

- **Dr. Shahani Markus Weerawarana,**

Computer Scientist  
Visiting Fellow, University of New South Wales, Australia.  
Visiting Scientist, Indiana University, USA.  
Visiting Lecturer, University of Moratuwa & Kotelawala Defense University, Sri Lanka.

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

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Andun S.L. Gunawardana  
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