



## Chamin Wickramarathna

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[Hacrypt.blogspot.com](http://Hacrypt.blogspot.com)  
[github.com/chamin](http://github.com/chamin)

### Personal Profile

Good team player and a fast learner who can adapt quickly while working in busy environments. Passionate about Software Engineering and looking for opportunities which can expand skills, knowledge and also suits my interests and qualifications. Have the attitude of not to give up and to complete what started.

### Work Experience

#### Orange HRM Pvt Ltd - Software Engineering Intern

July, 2016 – December, 2016



- **Employee task manager plugin** - Tool associated with the ongoing live project Orange HRM Eagle.
- **Framework migration research** - Selected an ideal framework for OHRMS and designed a migration architecture.
- **Jenkins integration using Docker containers** - Developed a fully automated CI/CD pipeline for OHRM system.

#### IEEE Student Branch University of Moratuwa - Director of Marketing and Promotions

Mar, 2016 – Apr 2017



- Was responsible for design and supervise promotions campaigns.
- Maintained the student branch website and social media activities.

#### Moraspirit Initiative - Creative Designer

Jan, 2015 – Jan 2017



- Was responsible for Moraspirit Board President, Executive Committee and CxOs on meeting targets of MoraSpirit.
- Creating and developing visual elements for the Website, FB Page and other mediums.

### Education



#### University of Moratuwa, Sri Lanka

Jan, 2014 – Present

- BSc. Engineering in Computer Science and Engineering - GPA 3.56/4.2



#### C.W.W. Kannangara Central College, Mathugama, Sri Lanka

Jan, 1998 – Aug, 2011

- GCE A/L in Physical Science (2011)
- Committee Member of the Science Society
- Elle team and Athletic Team
- Treasurer of the Buddhist Society

### Awards & Achievements

- **Microsoft Imagine Cup 2016 (Games Category)** **World Semifinals and National 1st**  
20+ teams and 70+ competitors participated in the National level. In the World semi-finals, competed against 70 countries. We competed with a virtual reality game which is operated through gesture controlling, named "Ashes of History".
- **Asia Pacific ICT Alliance (APICTA) 2016 – Taipei, Taiwan** **Nominee**  
APICTA is considered as the OSCAR in the ICT arena for Asia Pacific Region and got nominated in the tertiary category.
- **18th National Best Quality Software Awards (NBQSA), 2016** **Bronze Medal Winner**  
NBQSA is the biggest ICT award ceremony which recognizes best projects and products in the ICT arena in Sri Lanka
- **HackIT 2k17 Capture the Flag (CTF) Competition** **Runners Up**  
Sri Lanka's first ever capture the flag competition. Organized by Games Labs.
- **Google IO Extended 2016** **Runners Up**  
Google IO Extended 2016 was held as the first ever Biggest Virtual Hackathon in Sri Lanka.
- **Annual Award Ceremony 2016, University of Moratuwa** **Special Recognition**  
Recognized with 3 awards for our outstanding achievements in hackathons and competitions.
- **VE Hackathon'16** **National Finalist**
- **HackaDev 2015** **National Finalist**
- **Sri Lanka Genius 2008 - Under 17'** **Provincial Winner**

### Research & Publications

**"IDStack – The Common Protocol for Document Verification built on Digital Signatures"** by Chanaka Lakmal, Sachithra Dangalla, Chandu Herath, Chamin Wickramarathna, Gihan Dias, Shantha Fernando at 35th National Information Technology Conference (NITC 2017) in partnership with South East Asia Regional Computer Confederation (SEARCC).

## Project Experience

### IDStack - "The Common Protocol for Document Verification" - Final Year Project

- IDStack is a common protocol which is built on digital signatures in order to overcome issues related to physical document.
- It is a unique product which offers 3 features data extraction from physical documents, verification digital document using digital signatures and scoring digital documents considering trustworthiness and correlation among set of documents.
- **Spring, Java EE, Apache Maven, Apache Tomcat, Apache Log4j, Blockchain, PKI, Electron, Bootstrap, Travis CI, JUnit**

### Ashes of History - "A virtual reality game with hand gesture controls"

- Won Microsoft Imagine Cup 2016 National 1st place and got through to the World Semi Finals of the Imagine Cup.
- Won BRONZE at National Best Quality ICT Awards and got nominated for Asia Pacific ICT Alliance awards for this game.
- **Unity Game Engine, C#, Oculus Rift, Myo Gesture Control Armband, Microsoft Azure**

### Environmental Monitoring System

- An environmental monitoring system which collects sensor data and process them into the decision taking information.  
**Java, google map API, Jasperreports, Jfreechart, Swing, MySQL, JDBC, Log4j**

### Car Assistant - "A vehicle expense log system"

- A system for vehicle users to log vehicle expenses and select the most economic vehicle model by analysing maintain cost.
- **Android, google map API, SQLite, MySQL, JavaScript, CSS, PHP, Symfony**

### Salutem - "IoT based elephant tracking system"

- An elephant tracking system to track down elephants and send alerts to the forest department by means of IdeaMart API.
- **OpenCV, MySQL, PHP, Google Maps API, Android, IdeaMart API, Raspberry Pi 2**

### Lei - "The Intelligent Shopping Assistant"

- An interactive AI name Lei to assist customers. For this product we won the 2nd Place at Google IO 2016.
- **Laravel(PHP) framework, AngularJS(Javascript), HTML5, CSS, MongoDB, Raspberry Pi 3, Google Speech API**

### Trimana - "Augmented Reality Platform for e-commerce"

- A cross platform AR mobile application for e-commerce. 3D models can virtually place in the real world.
- **Unity3D, C#, Android SDK**

### Central Eye - "School Automation System"

- A system which is capable of storing records of students, teachers, class time table allocation and teacher attendance.
- This system was deployed and tested in C.W.W. Kannangara Central College. | **Java, Swing, JDBC, MySQL, Log4J**

### Neuro Booster - "A mobile Application for IQ test"

- A unique mobile Application for IQ test preparation on different topic areas.
- User can track their IQ marks and see the improvements over time. | **Android SDK, sqlite, Junit, Log4J**

## Familiar Languages, Frameworks & Technologies

- **Languages:** Java, JavaScript, SQL, PHP, Python, HTML, C, C++, C#, Shell
- **Frameworks:** Symphony, Laravel, Bootstrap, JQuery, Electron, AngularJS, XNA
- **Technologies:** Android, Docker, Jenkins, Raspberry Pi, Git, AJAX, Linux, SSH, AWS cloud, Google Location APIs
- **Others:** Full stack web development, Machine Learning, Distributed Systems, Concurrent Programming, Project Management, Software Security, Software Architecture, Software Testing, Algorithms, OOP, UML, Networking

## Extra and co-curricular activities

- Rotaractor at Rotaract Club of University of Moratuwa April 2014 – Present
- Microsoft Student Ambassador December 2015 – Present
- Student Member of Computer Society, Sri Lanka Mar 2017 – Present

## References

### Prof. Gihan Dias

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### Eng. Dr. Shantha Fernando

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