Oshan Mudannayake

<Resume>

"It has become appallingly obvious that our technology has exceeded our humanity." – Albert Einstein

Education

2001–2014 **Physical Sciences**, *Maliyadeva College*, Kurunegala.

2016–2019 **Bachelor's Degree (BSc), Computer Science**, *University of Colombo School of Computing*, Colombo, (Current GPA : 3.85).
On progress

Certifications

– **Diploma in PC Hardware and Network Administration (2010)** - *Esoft*
– **Oracle Certified Professional, Java SE 6 Programmer (2015)** - *Oracle* - Score: 96/100
– **Robotics and Automation (2015)** - *Dreamteam IT Solutions*

– **Diploma in Software Engineering (2013)** - *Esoft*
– **Professional Certified Java Developer (2015)** - *Dreamteam IT Solutions* - Score: 98/100

Online Certifications

– **Maintaining Cyber Security (2015)** - *Udemy*

– **FTP, HTTP, SPDP Deep Dive (2015)** - *Udemy*

Honors & Awards

– **Australian National Chemistry Quiz (2011)** - Distinction - *RACI*
– **Sri Lankan Mathematical Olympiad (2014)** - High Distinction - *SLOMF*
– **ACES Coders (2016)** - 6th place - *UoP | Department of Computer Engineering*
– **SLIIT Codefest Tertiary Hackathon (2016)** - 1st runners up - *SLIIT*
– **Dialog Gaming Hackathon (2017)** - 2nd runners up - *Dialog Axiata*
– **UCSC Appreciation Awards (2017)** - *UCSC*

– **Sri Lankan Mathematical Olympiad (2013)** - High Distinction - *SLOMF*
– **Code Experts (2016)** - 5th place - *UoM | Department of Computer Engineering*
– **IEEE PreXtreme 1.0 (2016)** - 1st place - *IEEE SB of UCSC*
– **Mozilla Web Maker Party (2016)** - 1st place - *Mozilla Foundation*
– **Persistent Hackthon (2017)** - 1st runners up - *Persistent Systems*
– **HACKiNTRA (2017)** - 1st runners up - *UoV*

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Participation

- **Mobitel Inspire Sri lanka Hackathon (2017)** - *Mobitel*
- **SS12 Asia (2017)** - Semi Finalists - *IEEE*
- **Codefest Designathon (2017)** - Finalists - *SLIIT*
- **Code Kombat (2017)** - *IFS*
- **AngelHack Colombo (2017)** - *AngelHack | Dialog*
- **W/Hack Code Sprint (2017)** - *WSO2*
- **hackX (2017)** - *UoK | MIT*
- **FinTech Hack (2017)** - *Nations Trust Bank*

Experience

| 2015-2016 | **Software Developer**, *Dreamteam IT Solutions*, Kurunegala. |
| 2015-2016 | **Course Instructor**, *Dreamteam IT Solutions*, Kurunegala. |

Volunteering Experience

- **Hardware and Networking Team (2012-2013)** - *Maliyadeva College*
- **Instructor (2016)** - Exploration Club - *UCSC*
- **OC | Program (2016)** - UCSC IEEE Day 2016 - *IEEE Sb of UCSC*
- **Mentor (2017)** - Google Code-In - *Google | SCoRe Lab*
- **OC | Finance (2017)** - Innover - IEEE IAS IOT Workshop 2017 - *IEEE IAS Chapter SL*
- **Coordinator (2017-Now)** - *IEEE SB of UCSC*
- **OC | Program Team | Finance Team Lead (2017)** - CloudHack '17 - *IEEE SB of UCSC*
- **Mentor | Question panel (2017)** - International School Software Competition 2017 (ISSC) - *CSSL*
- **Quesion panel (2017)** - preXtreme 2.0 - *IEEE SB of UCSC*
- **Mentor (2018)** - Google Code-In - *Google | SCoRe Lab*
- **Robotics Club President (2013-2014)** - **Maliyadeva College**
- **Mentor | Question panel (2016)** - National School Software Competition (NSSC) - *CSSL*
- **Delegate (2016)** - IEEE Student/YP/WIE Congress - *IEEE Sri Lanka Section*
- **Mentor (2017)** - Help to Code - *ICTA*
- **Core Team member (2017-Now)** - *Mozilla Club of UCSC*
- **OC | Finance (2017)** - Technological Awareness Project - *IEEE Sri Lanka Section*
- **Volunteer (2017)** - Sustainable Education Foundation (SEF)
- **OC | Program Team (2017)** - IEEE Student/YP/WIE Congress - *IEEE Sri Lanka Section*

Projects

2015	**Glove defect identification system**, *Identify the defects of gloves usign image processing as they are passing through a conveyor belt.*
2015	**Bra Elasticity Analysing System**, *Way to compare the elasticity of sports bras using image processing.*
2015	**POS System**, *A system to manage the tasks in a retail shop.*
2016	**Inventory Control System**, *Standalone system to keep track of inventory, handle transactions and payroll activities.*
2016	**Smart Glove**, *A glove that can measure the pressure distribution of the hand and the acceleration. This glove was designed with the idea of deriving the best patterns of movements of Cricket players in relation with hand pressure.*
2016	**Seek (On progress)**, *A geo location based voluntary teacher and student pairing service. Seek helps students find the voluntary teachers nearby to learn anything they wish..*
2016	**Colombo University Volunteers website**.
2017	**I Have a Theory**, *I have a theory is a survival based adventure game that is designed to teach Chemistry to school children.*
2017	**Play to Learn**, *Android game developed in the style of 'Snake & Ladders' to develop the algorithmic and programming skills of elementary students.*
2017	**Oasis** , *Hospital management system.*
2017	**Beacona (On progress)**, *Beacona is a platform where the window shoppers get notifications about the offers and suggested items in shops they pass by using the Physical Web Beacon technology.*
2017	**Smart Traffic Light System (On progress)**, *Traditional time-interavl based traffic light system was automated to remove the involvement of traffic officers in times of traffic congestion.*

Languages

Sinhala	Native proficiency	English	Professional working proficiency

Technology stack

Programming	Java, Python, C, C++
Web	HTML, CSS, JavaScript, PHP
Database	MySQL
Mobile	Android, Ionic, React Native
IOT	PIC, Arduino, Raspberry Pi

Interests

New technologies, Physics, Reading, Chess

References

Person	Contact details	Details
– Mr G.P.Seneviratne	(+94) 71 323 9517	Senior Lecturer at UCSC *M.Phil (Cardiff), M.Sc. (Cardiff), B.Sc.(Colombo), Post Graduate Diploma in Computer Applications (Colombo)*
– Dr. Gihan Kuruppu	(+94) 71 323 9517	Chairman at Dreamteam Pvt. Ltd. *MPhil-Computer Science(Peradeniya), BSc-Computer Science & Electronics(Wayamba), SCJP, SCMAD, MBCS*