

Oshan Mudannayake

RESEARCH INTERN · COMPUTER SCIENCE UNDERGRADUATE

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“The present is theirs; the future, for which I really worked, is mine” – Nikola Tesla

Education

University of Colombo School of Computing

B.S. (HONS) IN COMPUTER SCIENCE

- Current GPA : 3.68

Colombo

2016 - PRESENT

Maliyadeva College

PHYSICAL SCIENCES

Kurunegala

2001 - 2014

Certifications

- 2015 **Oracle Certified Professional, Java SE 6 Programmer**, Oracle
- 2015 **Robotics and Automation**, Dreamteam IT Solutions
- 2015 **Professional Certified Java Developer**, Dreamteam IT Solutions
- 2013 **Diploma in Software Engineering**, Esoft
- 2010 **Diploma in PC Hardware and Network Administration**, Esoft

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Kurunegala

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Experience

Research Intern

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

- Got selected for the position of Research Intern to do a research under the area, "Machine Learning over Encrypted Data".

Colombo

Aug. 2018 - Present

Software Developer

LANGUAGE MATTERS

- Working on a project to make an industrial quality OCR solution for Sinhalese using Tesseract OCR engine.

Colombo

Jan. 2018 - Present

Software Developer

DREAMTEAM IT SOLUTIONS

- Provided solutions to industrial problems in a R&D environment
 - Bra Elasticity Analyzing System
 - Yarn Detection System
 - Glove Defect Identification System

Kurunegala

Mar. 2016 - Jan. 2017

Course Instructor

DREAMTEAM IT SOLUTIONS

- Conducted introductory robotics and automation sessions.
- Conducted Q&A sessions for the OCPJP (Java 6) exam.

Kurunegala

Jan. 2016 - Jun. 2016

Projects

Realtime Property Evaluation of Large Streaming Graphs

CS RESEARCH, STREAMING GRAPHS, PYTHON, C++, APACHE SPARK

- Individual research project carried on the area of streaming graph summarization.

Individual

Petabyte Scale Cloud Storage File Manager

VUE.JS, OWNCLOUD, PUG

- GSoC 2018 project in collaboration with CERN-HSF, OwnCloud and AARNet Australia

ownCloud Team

Bra Elasticity Analyzing System

Team

JAVA, SWING, IMAGE PROCESSING USING OPENCV

- Implemented a way to compare the elasticity of sports bras using image processing.

Smart Traffic Light System

Team

MEAN STACK, FIREBASE, GOOGLE CLOUD PLATFORM, RASPBERRY PI, ARDUINO, MQTT

- Traditional time-interval based traffic light system was automated to remove the involvement of traffic officers in times of traffic congestion.

Glove defect identification system

Team

JAVA, JAVA FX, ARDUINO, FSR 400

- Identified common the defects of gloves using image processing as they are passing through a conveyor belt.

Beacona

Team

IONIC FRAMEWORK, PHYSICAL WEB BEACONS, CODEIGNITER FRAMEWORK

- 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.

Play to Learn

Team

ANDROID

- Android game developed in the style of 'Snake & Ladders' to develop the algorithmic and programming skills of elementary students.

I Have a Theory

Team

ANDROID

- I have a theory is a survival based adventure game that is designed to teach Chemistry to school children.

Seek

Team

IONIC FRAMEWORK

- A geo location based voluntary teacher and student pairing service. Seek helps students find the voluntary teachers nearby to learn anything they wish.

Smart Glove

Team

JAVA, JAVA FX, FSR 400, ARDUINO

- 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.

Honors & Awards

INTERNATIONAL

- 2018 **Participant**, Google Summer of Code (CERN-HSF | ownCloud | AARNet Australia)
- 2017 **2nd Place**, Presistant Hackathon (Persistent Systems)

DOMESTIC

- 2018 **1st Place**, CodeZilla (Uwa Wellassa University) Colombo
- 2018 **1st Place**, LetMeHack (Sabaragamuwa University) Sabaragamuwa
- 2017 **Award Of Appreciation**, UCSC Achievement Awards (UCSC) Colombo
- 2017 **2nd Place**, HACKINTRA (University of Vavuniya) Vavuniya
- 2017 **Finalists**, Codefest Designathon (Sri Lanka Institute of Information Technology) Malabe
- 2017 **Semi Finalists**, SS12 Asia (IEEE) Moratuwa
- 2017 **3rd Place**, Dialog Gaming Hackathon (Dialog Axiata) Colombo
- 2016 **1st Place**, Mozilla Web Maker Party (UCSC | Mozilla Club) Colombo
- 2016 **2nd Place**, SLIIT Codefest Tertiary Hackathon (Sri Lanka Institute of Information Technology) Malabe
- 2016 **1st Place**, IEEE PreXtreme 1.0 (UCSC | IEEE Student Branch) Colombo
- 2016 **6th Place**, ACES Coders (University of Peradeniya | Department of Computer Engineering) Peradeniya
- 2016 **5th Place**, Code Experts (University of Moratuwa | Department of Computer Engineering) Moratuwa

Grants

- 2018 **Travel grant - Hack the North 2018**, By Hack the North organizing committee Canada
- 2018 **Full grant - ownCloud Conference 2018**, By CERN and ownCloud Germany

Extracurricular Activities

VOLUNTEERING

2018	Mentor - Google Code-In 2018 , Google SCoRe Lab	Colombo
2017	Mentor - Google Code-In 2017 , Google SCoRe Lab	Colombo
2017	Google IO Extended 2017 , Dialog	Colombo
2017	Question panel - preXtreme 2.0 , IEEE Student Branch of UCSC	Colombo
2017	Mentor Question panel - International School Software Competition 2017 (ISSC) , Computer Society of Sri Lanka (CSSL)	Colombo
2017	Mentor - Help to Code , Information and Communication Technology Agency of Sri Lanka (ICTA)	Colombo
2016	Mentor - Google Code-In 2016 , Google SCoRe Lab	Colombo
2016	Delegate - IEEE Student/YP/WIE Congress 2016 , IEEE Sri Lanka Section	Wayamba
2016	Mentor Question panel - National School Software Competition (NSSC) , Computer Society of Sri Lanka (CSSL)	Colombo
2016	Instructor , Exploration Club UCSC	Colombo

COMMITTEE POSITIONS

2019	President , IEEE Student Branch of UCSC	Colombo
2018	Web Master , IEEE Sri Lanka Section Student Activities Committee (SAC)	
2018	Secretary , IEEE Student Branch of UCSC	Colombo
2018	OC , Mozilla Activate Sri Lanka	
2018	Android Developer , Global Geek Sustainable Learning Kingdom (GGSLK) Sri Lanka	
2017	OC Program Team - IEEE Student/YP/WIE Congress 2017 , IEEE Sri Lanka Section	Sabaragamuwa
2017	OC Finance - Technological Awareness Project , IEEE Sri Lanka Section	Colombo
2017	OC Program Team Finance Team Lead - CloudHack '17 , IEEE Student Branch of UCSC	Colombo
2017	Core Team member , Mozilla Club of UCSC	Colombo
2017	Coordinator , IEEE Student Branch of UCSC	Colombo
2017	OC Finance Team - Innover - IEEE IAS IOT Workshop 2017 , IEEE IAS Chapter Sri Lanka	Colombo
2016	OC Program Team - UCSC IEEE Day 2016 , IEEE Student Branch UCSC	Colombo
2014	Robotics Club President , Maliyadeva College	Kurunegala
2013	Hardware and Networking Team , Maliyadeva College	Kurunegala

References

Mr G.P.Seneviratne

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SENIOR LECTURER AT UCSC

- M.Phil (Cardiff), M.Sc. (Cardiff), B.Sc.(Colombo), Post Graduate Diploma in Computer Applications (Colombo)

Dr D.N.Ranasinghe

(+94) 11 258 9123

SENIOR LECTURER AT UCSC

- PhD (Cardiff), M.Sc. (Imperial College, London), BSc(Eng) Hons (Imperial College, London)

Dr. Gihan Kuruppu

(+94) 71 323 9517

CHAIRMAN AT DREAMTEAM PVT. LTD.

- MPhil - Computer Science(Peradeniya), BSc - Computer Science & Electronics(Wayamba), SCJP, SCMD, MBCS