

# Dumindu De Silva

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## Objective

A dedicated, detailed, and capable researcher looking to pursue postgraduate research in Computer Science.

## Education

### **BSC. (HONS.) IN MANAGEMENT AND INFORMATION TECHNOLOGY** **2016 – 2020**

Faculty of science, University of Kelaniya, Sri Lanka

- Specialized in Information Technology
- CGPA 3.45/4.00 (Second Class – Upper Division)
- Medium of Instruction: English
- Proficiency in English
  - IELTS Academic (2021): Overall 7.0/9 (L: 7.0 | S: 7.0 | R: 6.5 | W: 6.5)

### **G.C.E. ADVANCED LEVEL**

**2011 – 2014**

Gamini Central College, Nuwara Eliya, Sri Lanka

- Physical Science steam (Combined Mathematics, Physics, Chemistry)

## Research Experience

### **DENGUE MOSQUITO LARVAE IDENTIFICATION USING DIGITAL IMAGES** **2019**

- Supervisor: Dr. S. Jayalal
- Duration: 1 year
- Department of Industrial Management, Faculty of Science and Department of Parasitology, Faculty of Medicine in University of Kelaniya, Sri Lanka

## Research Publications

- W. D. M. De Silva and S. Jayalal (2020), “Dengue mosquito larvae identification using digital images” Proceedings of International Research Conference on Smart Computing and Systems Engineering (SCSE 2020), Colombo, Sri Lanka, Volume II1, ISSN 2613-8662, September 2020  
<https://ieeexplore.ieee.org/document/9313003>
- W. D. M. De Silva and S. Jayalal (2019), “Dengue mosquito larvae identification using digital images” Proceedings of 4<sup>th</sup> International Research Symposium on Pure and Applied Sciences, Faculty of Science, University of Kelaniya, Sri Lanka, [S0-15](#), 25<sup>th</sup> October 2019 (Abstract publication)

## Collegiate Presentations

### **DENGUE MOSQUITO LARVAE IDENTIFICATION USING DIGITAL IMAGES** 2020

- Oral presentation on undergraduate research project at International Research Conference on Smart Computing and Systems Engineering (SCSE 2020), Colombo, Sri Lanka

### **DENGUE MOSQUITO LARVAE IDENTIFICATION USING DIGITAL IMAGES** 2019

- Oral presentation on undergraduate research project at the 4<sup>th</sup> International Research Symposium on Pure and Applied Sciences organized by Faculty of Science, University of Kelaniya, Sri Lanka on 25<sup>th</sup> October 2019
  - [Awarded the Best Oral Presentation in Bio-medical Informatics theme.](#)

## Professional Experience

### **SOFTWARE ENGINEER** 2019 –Present

Creative Software, Sri Lanka

- Involved in researching trending technologies and developing modern web applications for local and overseas clients. Worked closely with cloud computing technologies (mainly Microsoft Azure) and worked under agile methodology.
- Technologies used: .Net, React.JS, Python, Asynchronous programming, Azure Machine Learning, MS SQL, Microsoft 365 development.

### **INTERNSHIP – TRAINEE SOFTWARE ENGINEER** 2018 –2019

Creative Software, Sri Lanka (Duration: 7 months)

- I was responsible for researching on new technologies and developing cross-platform mobile applications for Scandinavian clients
- Technologies used: .Net, Dependency Injection, Xamarin.Forms, XAML, Azure DevOps.

## Skills

- Programming languages: C, C++, Python, Java, R, C#, JavaScript, PHP
- Technologies: Augmented Reality (AR), Cloud Computing, Distributed systems, Unix, IoT, ML, DL
- Personal skills: Innovative, Creative, ability to work in groups, self-guided in projects, leadership

## Awards and Achievements

- IFS Scholarship Awardee 2019 – IFS, University of Kelaniya
  - For students with low-income family background who performed well in undergraduate studies.
- Saru Bima Education Scholarship Awardee 2016 – Cargills (Ceylon) PLC, Sri Lanka
- [Beta Microsoft Learn Student Ambassador \(2021\)](#) – Microsoft Corp.
- [Microsoft Student Partner \(2018-2020\)](#) - Microsoft Corp.
- [HaXmas Ideathon Winner 2018](#) - Rotaract Club of IIT
  - Designed a mobile application for travelers with augmented reality technology.
- Hackadev Youth Software Competition Winner 2017 – UNDP Sri Lanka
  - Innovated an IoT system to generate electricity using temperature differences.
- Inventio Innovation competition 2<sup>nd</sup> Runners Up – Sri Lanka Inventors Commission
  - Designed a smart home electricity management mobile application

## Conferences and Workshops

- Member of the organizing committee in International Research Conference on Smart Computing and Systems Engineering (SCSE) – 2019, University of Kelaniya, Sri Lanka.
- Microsoft Student Partner Summit 2019 – Sydney, Australia
  - Selected as one of the 20 students from APAC region and only student from Sri Lanka to participate the Microsoft Student Partner Summit in Sydney, fully sponsored by Microsoft.
- Participated 7<sup>th</sup> annual Cyber Security Summit 2019, Sri Lanka
- Organizer of HackX Hackathon 2017, Sri Lanka
  - Competition for undergraduates to come up with innovative ideas using modern technologies.
- We Are 2030 UNDP Incubation Awards 2017
  - This competition was organized by UNDP Sri Lanka, and our team was an awardee of this occasion for outstanding innovative team idea.

## Certifications

- [Academic Research Foundations: Quantitative](#) – LinkedIn Learning
- [Learning Design Research](#) – LinkedIn Learning
- [Microsoft Certified Azure Developer Associate](#) – Microsoft Corp.
- [Microsoft Certified DevOps Engineer Expert](#) – Microsoft Corp.
- [Developing AI Applications on Azure](#) – Coursera, LearnQuest
- [AWS Fundamentals: Going Cloud-Native](#) – Coursera, AWS
- [Front-End Web Development with React](#) – Coursera, Hong kong University of Science and Tech
- [Front-End Web UI Frameworks and Tools](#) – Coursera, Hong kong University of Science and Tech

## Volunteering Experience

- Member of Rotary Club of Colombo Tech City, Sri Lanka
- Delivered a knowledge sharing session on Cloud Computing with Azure for undergraduate hackathon finalists via a [webinar](#).
- Delivered a Session on Azure Custom Vision with Logic Apps at the [Global AI Bootcamp](#)

## Extra-Curricular Activities

- Founder and President (2019-2020) of [MS Club of University of Kelaniya](#), Sri Lanka.
- Vice-president (2018-2019) of Industrial Management Science Students Association (IMSSA), University of Kelaniya
- Member of University Baseball team, School Cricket team (captained under 17 team)

## Non-related Referees

- Dr. Shantha Jayalal  
Senior Lecturer  
Department of Industrial Management,  
Faculty of Science, University of Kelaniya,  
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