

Susara Sampath Thenuwara (SMIEEE)



Personal Details

Homepage	https://www.susara.lk
LinkedIn	https://www.linkedin.com/in/susara-thenuwara/
Google Scholar	https://scholar.google.com/citations?user=kvSTUaEAAAAJ&hl=en
GitHub	https://github.com/kawdoco

Academic Qualification

- 2021/01-2024/11 **Doctor of Philosophy (PhD), University of Tokyo, Japan.**
Software engineering, AI and Astronomy (aiColab), University of Tokyo. Japan
- 2017/01-2019/12 **Master degree in Artificial Intelligence (M.sc), University of Moratuwa, Sri Lanka**
Master Thesis: <http://dl.lib.mrt.ac.lk/handle/123/16112>
- 2000/01-2004/07 **Bachelor of Science (B.sc) (Mathematics, Statistics)**
University of Sri Jayewardenepura

Work Experience

(2025-AUG - Present) Lecturer at BCI Campus - Negombo. <https://www.bci.lk/school-of-computing/>
Working as a lecturer for undergraduate students, teaching OOP with Python.

(2025-FEB - Present) Visiting Lecture University of Moratuwa
Working as Instructor / lecturer for undergraduate students, Electronics and AI.

(2023-DEC - 2024-DEC) Computer vision engineer (3D), VITOM Inc, Japan. <https://vitom-tech.com/en/>
3D Reconstruction and implement SLAM algorithm . Create standalone and web-based applications.
<https://www.youtube.com/watch?v=obQ30N22fGo&t=22s>

(2020-JAN - 2020-OCT) Intern Student, Shibaura Institute of Technology Toyosu Campus, Japan.
Working as Intern student at Prof. Chinthaka Premachandra Electronic Lab.

(2019-JAN - 2023-AUG) Intern Researcher (AI) PhD, aiCoLab, Japan. <https://www.aicolab.tokyo>
Autonomous Drone project (Computer Vision): Software engineering and Drone manufacturing in Prof. Toshiyo Lab (aiCoLab). Active research on Drone manufacturing and autonomous rescue drone with JAXA.
<https://www.youtube.com/watch?v=qvqkq9MuYfo>
<https://www.youtube.com/watch?v=sEWfbFNH-0I>

(2020-JUL - 2020) Software Engineer and Team Leader
Key Achievement: Machine Learning in Biometric Authentication. In-depth Research: Conducted active research on biometric authentication within a distributed network environment as a part of Prof. Toshiyo Lab (aiCoLab). <https://www.youtube.com/watch?v=AWGqZ3s5JqE>

(2007-JUL - 2019) Team Lead Software Engineer, Kawdoco Inc, Sri Lanka.
<https://www.kawdoco.com/team/>
Headed a dynamic team to enhance the digital presence of customers, leading to a substantial 30% boost in sales. Leveraged a versatile skill set encompassing Python, HTML5, PHP Laravel, MySQL, JavaScript, and C++, including proficiency in assembly code

Master Thesis & Project Summery

Face biometric authorization system in border control using an agent concept that thinks like a human can lead to better results for biometric authentication using coordination, cooperation and message passing. This approach utilizes advanced technologies to analyze data and make decisions similar to a human, resulting in faster and more accurate authentication processes, improving security and efficiency.

<http://dl.lib.mrt.ac.lk/handle/123/16112>

Full Thesis: https://www.susara.lk/case_study/Thesis-Susara-Thenuwara-179418B-V5.pdf

YouTube: <https://www.youtube.com/watch?v=AWGqZ3s5JgE>

Invited Talks, Keynotes, Workshops & Volunteering Activities

Workshop: Geometric Intelligence: Using AI and Astronomical Geometry to Decode the Universe . ICITR 2025 is the 10th International Conference on Information Technology Research, held Dec 8-11, 2025, at the University of Moratuwa, Sri Lanka. <https://icitr.uom.lk/workshops/>

Keynote: Be inspired by the advancing technology and to use that inspiration to make the world a better place, carrying the theme of “Leveraging Technology for a better tomorrow”,

The first ever IEEE Day which was open to IEEE and non- IEEE members all around the country was held on 6th of October 2019 at MJF centre, Moratuwa. <https://events.vtools.ieee.org/m/213476>

Local Chair of ICIPRoB since 2020 (International Conference on Image Processing and Robotics)
<https://www.iciprob.com/Past/2020/committee.html>

Local Chair of ICIPRoB since 2026 (International Conference on Image Processing and Robotics)
<https://www.iciprob.com/2026/committee.php>

Committee Member of SLAAI (Sri Lanka Association of Artificial Intelligence) since 2018

Publication Summery – Computer Vision and Software Engineering

<https://scholar.google.com/citations?user=kvSTUaEAAAAJ&hl=en>

Referees

Prof. Toshiyo Lab (aiCoLab), Tokyo University. Tel: 04-7136-4291
7 Chome-3-1 Hongo, Bunkyo City, Tokyo 113-8654
Email: toshio@aicolab.tokyo , tokyo.aicolab@gmail.com

Prof. R.A.R.C. Ruwan Chandra Gopura
Department of Mechanical Engineering, University of Moratuwa, Sri Lanka
Email: gopurar@uom.lk, gopura@gmail.com
<https://uom.lk/staff/Gopura.RARC.php>

Thank you
Yours faithfully,
Susara S Thenuwara