

DINURA DISSANAYAKE

DEPARTMENT OF COMPUTER ENGINEERING, UNIVERSITY OF PERADENIYA, SRI LANKA

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EDUCATION

UNIVERSITY OF PERADENIYA

DECEMBER 2018 - RESENT

BSc Engineering (Hons) — Faculty of Engineering

GPA - 3.71 / 4.0

D.S. SENANAYAKE COLLEGE

DECEMBER 2009 - AUGUST 2017

G.C.E. Advance Level Examination

Comb. Maths (A), Physics (B), Chemistry (B)

EXPERIENCE

SOFTWARE ENGINEERING INTER - WSO2

DEC 2022 - MAY 2023

- Created a system to monitor state changes of GitHub Issues.
- Created a system to update Salesforce on Stripe payments.

TEACHING ASSISTANT - COMPUTER ENGINEERING DEPARTMENT

MAY 2020 - SEPTEMBER 2022

- Supervised and helped students in weekly 2hr long online lab sessions
- Created questions for online quizzes based on the C programming Language, data structures, and algorithms.

VOLUNTEER WEB DEVELOPER

NOVEMBER 2022 - NOVEMBER 2023

 Developing the official website for the Embedded Systems and Computer Architecture Laboratory in the Computer Engineering Department, University of Peradeniya

PUBLICATIONS

COMPREHENSIVE DATASET OF ANNOTATED WHITE LIGHT IMAGES OF ORAL CAVITY AND NOVEL WEB TOOL FOR IMAGE ANNOTATION |

- Sashini Liyanage, Isuri Devindi, **Dinura Dissanayake**, Achintha Harshamal, Nadisha Piyarathne, Sumudu Rasnayaka, Kalani Hettiarachchi, Ruwan Jayasinghe, Roshan Ragel, Dhanushki Mapitigama, Isuru Nawinne
- Intended publisher: Scientific Reports

APPLICATION OF WHITE LIGHT IMAGES AND ARTIFICIAL INTELLIGENCE FOR THE EARLY DETECTION OF ORAL CANCER IN SRI LANKA

- Isuri Devindi, **Dinura Dissanayake**, Sashini Liyanage, Achintha Harshamal, Nadisha Piyarathne, Sumudu Rasnayaka, Kalani Hettiarachchi, Ruwan Jayasinghe, Roshan Ragel, Dhanushki Mapitigama, Isuru Nawinne
- Intended publisher: Oral Oncology Reports

PROJECTS

END-TO-END PLANNING-ORIENTED AUTONOMOUS DRIVING | FYP |





2023

- Improve already existing trajectory-guided control prediction method by introducing depth perception and a new control mechanism.
- · Technologies Python, PyTorch, PyTorch-lightning

· A web-based, automated screening system that can boost the treatment process by early detection of high-risk oral cancer patients. Technologies - React JS, Node JS, Express, Flutter, Python, TensorFlow, Flask REMOTE KEYBOARD TUTORING SYSTEM | Group Project | (##) 2021 A web-based system interactively learns plays or teaches with the aid of a hardware unit and a web application. Technologies - React JS, Node JS, Express, Flutter, Embedded Systems ANALYSIS TOOL FOR INDUSTRIAL IMAGES | Group Project | (1) 2022 • An analysis tool for increasing the performance of an injection mold maintenance device that uses image processing techniques to identify stuck plastic particles on molds. Technologies - React JS, Node JS, Express, Python **ACHIEVEMENTS BRONZE AWARD NBQSA 2023 (NATIONAL ICT AWARDS)** 2023 Won the bronze award at NBQSA 2023 in tertiary Student Projects (Technology) category 2ND PLACE(OUT OF 100+ TEAMS) - ACES CODERS V 9.0 2022 · Overnight inter-university coding competition organized by University of Peradeniya TOP 500TH PLACE AMONG 6000+ TEAMS - IEEEXTREME 16.0 2022 Top 10th country rank 24 hour competitive programming competition for university undergraduates worldwide. 5TH PLACE(OUT OF 100+ TEAMS) - MINI HACKATHON - ICDS 2021 Developed a Bill checking mechanism using OCR. Data Science Hackathon organized by the University of Colombo **BORNZE MEDALIST SRI LANKAN PHYSICS OLYMPIAD** 2017 Organized by the Institute of Physics, Sri Lanka **TECHNICAL SKILLS** • Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, C++, ARM Assembly, Verilog-HDL • Frameworks: React JS, Express, Node JS, Flutter, Jekyll, PyTorch, TensorFlow Graphic Designing: Photoshop, Illustrator, Blender, Premier Pro

ORAL ASSESMENT AND SCREENING INTERACTIVE SYSTEM | Group Project | 🔘 🖸

LEADERSHIP / EXTRACURRICULAR

AIESEC IN UINVERSITY OF PERADENIYA

· Marketing Manager - Incoming Global Volunteer

· Business to Business Manager - Incoming Global Volunteer

Team Leader - Incoming Global Volunteer

· Value Delivery Team Leader - Incoming Global Volunteer

DEC 2019 - FEB 2022

2023

SEPT 2021 - FEB 2022

MARCH 2021 - AUG 2021

SEPT 2020 - FEB 2021

MARCH 2021 - AUG 2021

RECOMMENDATION

PROF. ROSHAN G. RAGEL

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DR. ISURU NAWINNE

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