DINURA DISSANAYAKE

DEPARTMENT OF COMPUTER ENGINEERING,UNIVERSITY OF PERADENIYA, SRI LANKA

🌐 dinuransika.github.io 📞 077 416 1509 ✉ dinuransika98@gmail.com
in Dinura Dissanayake ⌂ github.com/dinuransika

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 | 📄

- **Dinura Dissanayake**, Isuri Devindi, 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

ORAL ASSESMENT AND SCREENING INTERACTIVE SYSTEM | Group Project | 🎧 ⏺ **2023**
- 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 | 🌐 🎧 **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

LEADERSHIP / EXTRACURRICULAR

AIESEC IN UINVERSITY OF PERADENIYA **DEC 2019 – FEB 2022**
- Marketing Manager - Incoming Global Volunteer — SEPT 2021 - FEB 2022
- Business to Business Manager - Incoming Global Volunteer — MARCH 2021 - AUG 2021
- Team Leader - Incoming Global Volunteer — SEPT 2020 - FEB 2021
- Value Delivery Team Leader - Incoming Global Volunteer — MARCH 2021 - AUG 2021

RECOMMENDATION

PROF. ROSHAN G. RAGEL
Head of Department,
Department of Computer Engineering,
Faculty of Engineering,
University of Peradeniya, Sri Lanka.
roshanr@eng.pdn.ac.lk

DR. ISURU NAWINNE
Senior Lecturer,
Department of Computer Engineering,
Faculty of Engineering, University of Peradeniya, Sri Lanka.
isurunawinne@eng.pdn.ac.lk