



DINURA DISSANAYAKE

DEPARTMENT OF COMPUTER ENGINEERING, UNIVERSITY OF
PERADENIYA, SRI LANKA

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PROFILE

I'm a final-year computer engineering undergraduate with a keen interest in machine learning, computer vision, and embedded systems.

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 - PRESENT

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

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 - IEEEEXTREME 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

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

COMPILER FOR COOL LANGUAGE | Group Project |

2021

- The combination of a lexer, parser, semantic analyzer, and code generator can be used to compile programs written in Cool programming language.
- Technologies - C++

EDUCATION

UNIVERSITY OF PERADENIYA

DECEMBER 2018 –PRESENT

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)

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 UINVERSIY OF PERADENIYA

DEC 2019 – FEB 2022

- Marketing Manager - Incoming Global Volunteer
- Business to Business Manager - Incoming Global Volunteer
- Team Leader - Incoming Global Volunteer
- Value Delivery Team Leader - Incoming Global Volunteer

SEPT 2021 - FEB 2022
MARCH 2021 - AUG 2021
SEPT 2020 - FEB 2021
MARCH 2021 - AUG 2021

AIESEC IN SRI LANKA

DEC 2019 – JUL 2022

- Incoming Global Volunteer Task Force Member
- Media Specialist(Radio) - Public Relations Team - Youth4Youth

SEPT 2020 - DEC 2021
FEB 2022 - MAY 2022

RECOMMENDATION

PROF. ROSHAN G. RAGEL

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