


DINURA DISSANAYAKE

Department of Computer Engineering, University of Peradeniya, Sri Lanka

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[Dinura Dissanayake](#)



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I'm a 3rd year computer engineering undergraduate with a keen interest in machine learning, computer vision and embedded systems.

Education

University of Peradeniya

BSc Engineering (Hons) — Faculty of Engineering

December 2018 – May Present

GPA - 3.79 / 4.0

D.S. Senanayake College

G.C.E. Advance Level Examination

December 2009 – August 2017

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

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Projects

Analysis Tool for Industrial Images | Group Project

January 2022 - Present

- An analysis tool for increasing the performance of an injection mold maintenance device which uses image processing techniques to identify stuck plastic particles on molds.
- Technologies - React JS, Node JS, Express, Python
- [Project Page Link](#)

Remote Keyboard Tutoring System | Group Project

July 2021 - Dec 2021

- A web-based system interactively learn, play or teach in combination with the aid of a hardware unit and a web application.
- Technologies - React JS, Node JS, Express, Flutter, Embedded Systems
- [Project Page Link](#)

Visitors Management System | Group Project

November 2020

- A web based system to manage visitors to any institution.
- Technologies - SQL, HTML, CSS, JavaScript
- [Project Repository Link](#)

8-bit single cycle processor | Group Project

2020

- An 8-bit single cycle CPU with associated memory hierarchy. The processor includes an ALU, register file, control logic, forwarding unit, data memory, data cache, instruction memory and instruction cache.
- Technologies - Verilog-HDL
- [Project Repository Link](#)

Compiler for Cool Language | Group Project

2022

- The combination of a lexer, parser, semantic analyser, and code generator that can be used to compile programs written in Cool programming language.
- Technologies - C++
- [Project Repository Link](#)

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, C++, ARM Assembly, Verilog-HDL

Frameworks: React JS, Express, Node JS, Flutter, Jekyll

Graphic Designing: Photoshop, Illustrator, Blender, Premier Pro

Experience

Teaching Assistance - CO 222 - Programming Methodology

May 2020 - September 2020

- Supervised weekly 2hr long online lab sessions
- Created questions for online quizzes based on the C programming Language

Teaching Assistance - CO 226 - Database Systems

November 2021 - January 2022

- Supervised weekly 2hr long online lab sessions

Computer Engineering Department Web Development Volunteer

November 2022 - Present

Achievements

Mini Hackathon - ICDS <ul style="list-style-type: none">• Data Science Hackathon organized by University of Colombo• 5th Place(Out of 100+ teams)	2021
ACES Coders <ul style="list-style-type: none">• Overnight inter-university coding competition organized by University of Peradeniya• 14th Place(Out of 100+ teams)	2020
Sri Lankan Physics Olympiad organized by the Institute of Physics, Sri Lanka <ul style="list-style-type: none">• Bronze Medalist	2017

Leadership / Extracurricular

AIESEC in University of Peradeniya	Dec 2019 – February 2022
<i>Marketing Manager - Incoming Global Volunteer</i>	<i>September 2021 - February 2022</i>
<i>Business to Business Manager - Incoming Global Volunteer</i>	<i>March 2021 - August 2021</i>
<i>Business to Business Team Leader - Incoming Global Volunteer</i>	<i>September 2020 - February 2021</i>
<i>Value Delivery Team Leader - Incoming Global Volunteer</i>	<i>March 2021 - August 2021</i>
AIESEC in Sri Lanka	Dec 2019 – Present
<i>Incoming Global Volunteer Task Force Member</i>	<i>September 2020 - December 2021</i>
<i>Media Specialist(Radio) - Public Relations Team - Youth4Youth</i>	<i>February 2022 - Present</i>

Recommendation

Prof. Roshan G. Ragel

Head of Department,
Department of Computer Engineering,
Faculty of Engineering,
University of Peradeniya, Sri Lanka

Dr. Isuru Nawinne

Senior Lecturer,
Department of Computer Engineering,
Faculty of Engineering,
University of Peradeniya, Sri Lanka