



THAMISH WANDURAGALA

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ABOUT ME

I am a motivated 3rd year computer engineering undergraduate, interested in all aspects of product development involving software, hardware and machine learning. Presently, I am actively pursuing internship opportunities which utilizes innovative problem-solving approaches where I would be able to make meaningful contributions.

EDUCATION

University of Peradeniya (2019 November - Present)

- Bachelor of Science in Computer Engineering
(Current GPA - 3.92/4.0)

Trinity College, Kandy (2004 - 2018)

- G.C.E. Advanced Level(2018) 2As, 1B- Physical Science Stream (within the top 3% of the country)
- G.C.E. Ordinary Level(2015) 8As, 1B (English Literature)

EXPERIENCE

Visiting Research Assistant (2023 August - Present)

- Engineering Product Development Pillar,
Singapore University of Technology and Design.

Teaching Assistant 🔄 (2022 October - 2023 January)

- Supervised weekly sessions for 2nd year undergraduates of Department of Computer Engineering, University of Peradeniya for course modules,
 - * Programming Methodology (Based on C Programming Language)
 - * Digital Design (Based on circuit building)

Voluntary (2020 May - Present)

- Project Nenathambara 🔄

Contributed to making a new syllabus for Python programming language beginners and delivered the content to students in sessions organized in their schools in Sri Lanka.

PROJECTS

Automated Road-Rule Detector (Group) | Python, Flutter, Firebase, Nodejs 🔄 2022 October - 2023 January

- A hardware device based on raspberry pi 3 as the microprocessor which is able to detect road rule breaking severity.

ACHIEVEMENTS

Aces Hackathon 2023 (Group) June 2023

- Runners up (Other category) - Two day competition with 42 participating teams. Introduced an IoT solution targeting safety on the road.

Aces Pre-Coders 2022 (Group) August 2021

- Finalists - A 6 hour coding competition with 70 participating teams.

SKILLS

Programming Languages: Python, Java, C, C#, Dart

Hardware Programming: Verilog, ARM Assembly

Mobile Development: Flutter, Native Android

Front End: HTML/CSS, Bootstrap

Back End: Spring Boot, Nodejs

Data Modeling: Numpy, Pandas, scipy, sklearn

Databases: MySQL, FireBase

Version Controlling: Git

- Included an app with which the users of the device were able to visualize collected data from the controller via a database hosted in cloud.
- Contributed to the front end, hardware.

ML-based Patient Diagnosis/Care (Group) | Python, Mongodb, AWS, Nodejs, Flutter **2023 May - Present**

- An app designed to get symptoms from a user and provide insights and suggestions on potential risks, recommended eating habits and recommendations on type of medical doctor to visit.
- Contributed to the machine learning model and the back-end of the project.

Student Results Management System (Group) | Java, Android Studio **2021 November - 2022 March**

- An application developed for undergraduates to keep track of their academic performance, progress.
- Contributed to the back end of the system.

Smart Inventory Management System (Group) | Laravel with php, blade, MYSQL **2022 May - August**

- Introduced a resource scheduling system to manage resources in the MakerSpace Lab (Department of Computer Engineering, University of Peradeniya).

8-bit Single Cycle Processor (Group) | Verilog **2021 November - 2022 March**

- An 8-bit single cycle processor with an ALU, register file, control logic, data memory, data cache, instruction memory and instruction cache. A memory hierarchy too was built.

Database System at University Gymnasium (Group) | MySQL, Php **2021 November - 2022 March**

- A fully functional database to organize reservations, cancellations, borrowings and misplacements of equipment at a gym.

Meeting Data Visualizer (Individual) | C **2021 September**

- Analyze data files such as meeting data information and visually represent the data as per the requirement of user using C programming language.

Digital Clock (Individual) | C **2021 August**

- A digital clock that prints the current time, and date on the linux terminal and give output according to the input parameters provided by the user.

Inventory Management System for several companies (Individual) | C#, Java **2020 June - 2020 August**

- Introduced a complete Inventory Management System for business entities "Anura Waters, Kurunegala" and "Dr.Bikes, Digana" through project opportunities at ESOF, Kandy.

LEADERSHIP / EXTRACURRICULAR

Offices Held

- President, Ceylon University Dramatic Society, University of Peradeniya. (2022-2023)
- Secretary, Aviation Society, Trinity College, Kandy. (2017-2018)

Sports

- Baseball U19, U17, U15, U13 - Trintiy College, Kandy. (2011 - 2017)

REFEREES

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