THAMISH WANDURAGALA

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

☎ +94773237509 | 🏠 Kandy, Sri Lanka | ✉ thamish71@gmail.com |
in linkedin.com/in/thamish-wanduragala | � github.com/Thamish99

About Me

I'm a 3rd year computer engineering undergraduate. I am interested in all aspects of product development involving software, hardware as well as machine learning. I am presently seeking internship opportunities that involve addressing real-life challenges through innovative problem-solving approaches.

Education

University of Peradeniya   **2019 November - Present**

- Bachelor of Science in Computer Engineering (Current GPA - 3.89/4.0)

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)

Projects

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

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

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 and standing against other students in the batch.

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. If a color is given as an argument to the program, the program will print a colored output.

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 ESOFT, Kandy.

Experience

Instructor   **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 beginners and delivered the content to students in sessions organized in their schools.

Achievements

Aces Pre-Coders 2022 *(Group)*   **August 2021**

- A 6 hour coding competition organized by ACES, University of Peradeniya. Qualified to the final round by placing in the top 25 out of 70 odd teams.

Technical Skills

Computer Languages: Python, Java, C, C sharp, Verilog, ARM Assembly

Mobile Development: Flutter, Native Android

Front End: HTML/CSS, Bootstrap

Back End: Spring Boot, Nodejs

Data Modeling: Pytorch, Numpy, Pandas

Databases: MySQL, FireBase

Version Controlling: Git

Leadership / Extracurricular

Sports

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

Offices Held

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

Relevant Coursework

- Data Structures and Algorithms
- Data Mining and Machine Learning
- Computer Architecture
- Electronics
- Computer Communication Networks
- Embedded Systems
- Software Engineering
- Linear Algebra

Referees