

THINETH WICKRAMARCHCHI

IT Undergraduate

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About Me

A third-year undergraduate at Gampaha Wickramarachchi University of Indigenous Medicine, currently pursuing a Bachelor of Health Sciences (BHSc) in Health Information Communication Technology. Areas of expertise and interest include MERN stack development, mobile application development, and programming in Java, C#, and Python. Additional experience includes MySQL, WordPress web development, and the Tailwind CSS framework. Actively engaged in the development of the UniMind AI MERN Web Application, focusing on AI model integration to enhance functionality.

Technical Skills

- Database (MySQL)
- React JS, Express JS
- C#, .Net
- Mobile Application (Android)
- Java
- HTML, CSS, PHP, JavaScript
- Framework (Tailwind)
- WordPress Web Development

Personal Skills

- People leadership
- Data analysis
- Budgeting
- Strategic planning
- Regulatory compliance

Language

- English
- Sinhala

Hobbies

- Cricket
- Swimming
- Chess
- Listening Music

Work Experience

● Intern - Database Management

Nekfa Australia (Pvt) Limited
Feb 2023 - April 2023

- Create and Design a Database for Procurement service in the Negombo Municipal Council.
- Create and Design a Database for Walking Lane Reservation System in the Negombo Municipal Council,
- Design Database for Photoshoot Reservation system in the Negombo Municipal Council.

● IT System Technician

Wickramarachchi Distributors (Pvt) LTD
Feb 2018 - Jan 2020

- Maintained current software licenses and patched applications to stay up to date with the latest features.
- Reviewed system and network performance to make proactive adjustments based on established IT policies.
- Installed and configured software and hardware.

Education

TERTIARY EDUCATION

BHSc (HONS)

HEALTH INFORMATION AND COMMUNICATION TECHNOLOGY (UG)

Gampaha Wickramarachchi University of Indigenous Medicine (GWUIM)

Mar 2022 - Present

GPA is 4.0 (Up to 2nd Year)

Certificate in Advanced Multimedia Web Design & Development Techniques

(Short Term Course)

University of Colombo School of Computing (UCSC)

8 Weeks

Studied all aspects of web design and development techniques and worked with graphics designing for web applications with web engineering technologies, web accessibility, and validation techniques.

SECONDARY EDUCATION

Rahula Collage Matara Jan 2006 - Aug 2019

G.C.E Advanced Level—Rahula College Matara - 2020

- Engineering Technology - B
- Science For Technology - B
- Information Communication Technology - C
- General English - S

G.C.E Ordinary Level—Rahula College Matara - 2016

Projects

Hirely AI Web Application

Hirely AI Web Application is an MVP product designed to streamline hiring processes using AI. Built with MERN Stack, React, + Vite for a fast and efficient frontend, it leverages Express.js for a scalable backend and Tailwind CSS for a modern, responsive UI. Also, the Open AI GPT 3.5 Turbo version is used for the AI part of this application.

UniMind AI Web Application

In Progress

UniMind AI Web Application is an MVP product that leverages GPT-4.0 for advanced AI-driven solutions. Built with MERN Stack, React, + Vite for a high-performance frontend, it uses Express.js for a robust backend and Tailwind CSS for a sleek, responsive UI. The platform harnesses GPT-4.0 to power features such as intelligent content generation, automated decision-making, and personalized user interactions, making it a cutting-edge tool for businesses and individuals.

POS Software System

In Progress

POS Software System is a robust Point of Sale (POS) solution designed for efficient transaction processing and business management. Built with C# for a powerful and user-friendly interface, it utilizes SQL Database for secure and scalable data storage. The system streamlines sales, inventory management, and reporting, making it ideal for retail and hospitality businesses.

● **Ceylon Hiker Website (WordPress)**

First time in Sri Lanka, we have offered a 3-in-1 website named Ceylon Hiker. That's include Travelling, camping, and 4 * 4 Tracks information. Here we provide all camping information like information about routes to the campsite and information about 4*4 tracks and other 4*4 necessary details.

Research & Publication

● **Wickramarachchi, T.**, Thalpe Ahangamage, C.H., Gunathilaka, M.D.S.C., Nawala Hewage, K.T.R., and Maleesha, R.P.G.S., Early Detection and Management of Depression Among University Students, Lincoln International Multidisciplinary Conference 2024, Sri Lanka, Vol. 1. Page 35 (25 & 26, August, 2024)

Review on AI-driven methods for detecting and managing depression among university students, emphasizing early identification, confidentiality, and accessibility. My work explores using Convolutional Neural Networks (CNN), Facial Expression Recognition (FER), and other AI models to assess depressive symptoms through facial expressions, eye movements, and behavioral changes. The findings highlight the importance of AI-based screening tools in improving mental health support services within academic institutions.

Extracurricular Activities

● **President - Technological Advancement Society**

Department of Technology, GWUIM.

April 2024 - Present

● **Participated in Robowars - Robotic Competition**

Department of Technology, GWUIM.

Reference

Mrs. R.P.G.S. Maleesha

Lecturer (probationary), Department of Technology, Gampaha Wickramarachchi University of Indigenous Medicine, Gampaha 11870, Sri Lanka

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Lt. Col. Dr. Asanka Pallewatta

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Director – International Center (GWIC)
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Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I take full responsibility for the accuracy of the details mentioned.

Date: 07-03-2025

Thineth Wickramarchchi