



# AMANDI DE ALWIS

Undergraduate



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GITHUB

[https://github.com/  
Amandi001](https://github.com/Amandi001)



LINKEDIN

[www.linkedin.com/in/  
amandi-de-alwis](https://www.linkedin.com/in/amandi-de-alwis)



RESEARCH GATE

[https://www.researchgate.net/  
profile/Amandi-De-Alwis-2](https://www.researchgate.net/profile/Amandi-De-Alwis-2)

## SKILLS

### Technical Skills

#### Front - end Development

- HTML5
- Cascading Style Sheets
- JavaScript
- Node.js
- React
- Bootstrap

#### Mobile App Development

- Dart
- Flutter

- Database Fundamentals (SQL)
- OOP & IT Concepts
- System Analysis & Designing
- Computer Systems Architectures
- Object Oriented Designing

### Professional Skills

- Organized
- Communication
- Teamwork
- Meeting deadlines
- Critical thinking
- Project coordination
- Project Planning
- Content Writing
- Compering

### RESEARCH INTEREST

- Artificial Intelligence
- Machine Learning
- Image Processing
- Information and Data Security

### LANGUAGE

English

Sinhala



## PROFILE

I'm a fourth-year BSc Information Technology Undergraduate at KDU, my passion for technology fuels my pursuit of excellence. I approach every responsibility with a blend of hard work and commitment, continuously pushing the boundaries of my knowledge. Eager to leverage my skills and embrace challenges in the dynamic IT industry, I am excited by the endless possibilities for learning and innovation, committed to making meaningful contributions and leaving a lasting impact.



My Portfolio Website Link-

<https://amandi001.github.io/Portfolio-Website/>



## EDUCATION



BSc. (Hons) in Information Technology

2021 - 2024

General Sir John Kotelawala Defence University Department of  
Information Technology, Faculty of Computing

Current GPA- 3.425



G.C.E Advanced Level in Commerce Stream

2018 - 2020

St.Pauls Girls MIlagriya Colombo 05

Accounting	C
Information and Communication Technology	C
Economics	B
General English	A



## PROJECT EXPERIENCE

- An Integrated Food Recognition and Nutrition Guidance App for Healthier Eating – Final Year Project (On going)

Android-based Food Recognition App integrating image classification technology to identify food items swiftly. The app provides detailed nutritional information, alerts users about allergens, and offers personalized advice based on dietary goals and health conditions. Through a mixed-methods approach, including surveys and interviews, user needs are assessed and incorporated into the app's design. The app aims to promote healthier dietary practices by empowering users to make informed food choices aligned with their requirements and preferences.

Technologies Used :-Flutter ,Dart, Android Studio ,Java ,Machine Learning ,  
Flask Framework and Firebase

## ● Mobile based Gym Management System

2nd Year Software Engineering Group Project

The system enables admins to manage user profiles and provides users with tailored diet plans and workout videos suited to their fitness level. This streamlined approach saves time and allows users to exercise anytime, anywhere, fostering healthier habits and a balanced lifestyle.

Technologies Used :-**Flutter ,Dart, Android Studio**

## ● Labor Management System

The Second Year Group Project which included Create, Read, Update, Delete Functions, User Level Login . Users can find Laborers for different tasks and can book the workers when necessary . can provide feedbacks .

Technologies Used :-**C#, ASP.NET, MS SQL Server**

## ● Health Care App

The Third Year mobile computing module Group Project . we can add the details of the doctors and book appointments and also we can order medicine through this app when we add to the cart it gets auto generated.

Technologies Used :-**Java , Android Studio , Firebase and Dart programming**



## VOLUNTEER EXPERIENCE



Student Member and Brand Ambassador of IEEE Sri Lanka Section



Secretariat Team member of IEEE SLSAC



Assistant Sectary of IEEE Student Branch Kotelawala Defence University



Sectary Team Member of IEEE WIE Student Branch Affinity group of kotelwala Defence University



Assistant Public Relations Director of CSSL GenZ Chapter Kotelawala Defence University



Content Writing Team lead of FOSS Community Kotelawala Defence University



Public Relations Director of Rotaract club of Kotelawala Defence University



Event Co-Chair of Step into Industry 2.0 Organized by the IEEE SB of KDU



Event Secretary of IEEE Xtreme organized by the IEEE WIE Affinity group of KDU



Secretary Team Member of Strength for Her organized by the IEEE WIE Affinity group of KDU



Secretariat Team Member of IEEE SL SYW Congress 2023 & IEEE BOOST 2023

## 📖 RESEARCH PUBLICATIONS

### ● Unchaining the future of software License management in the digital age through blockchain.

KAD de Alwis, DD Chamindya ,KR Hettiarachchi, WAAM Wanniarachchi and PPNV Kumara

**15 th international Research Conference of General Sir Kotelawala Defence University**

### ● From Fields to Skies: Assessing the Viability of Unmanned Aerial Vehicle(Drone) Technology for Precision Agriculture in Sri Lanka

KR Hettiarachchi, KAD de Alwis, and D Gunasekera

**16 th international Research Conference of General Sir Kotelawala Defence University**

### ● Systematic Review: AI-Based Methods for Quality Control and Defect Analysis in the Sewing Section of the Apparel Industry

Amandi De Alwis ,Deepika Wijesinghe and Dasuni Ganepola

**4th Student Symposium ,Faculty of Computing ,General Sir Kotelawala Defence University**



## CERTIFICATIONS

- Cambridge English Level 1 Certificate in ESOL International
- Foundations of Software Testing & Validation- Coursera
- Web and Mobile Testing with Selenium-Coursera
- Scrum Master Certification Specialization -Coursera
- Scrum Foundation Professional Certification - SFPC™
- Fundamentals of Java Programming - Coursera
- The Complete 2024 Web Development Bootcamp - Udemy
- Responsive Web Design - freeCodeCamp
- JavaScript for Beginners - Udemy
- Object oriented Programming (OOP) - Udemy
- My SQL - Udemy
- Introduction to DevOps -Coursera
- DevOps Essentials -Coursera
- CCNA: Switching, Routing, and Wireless Essentials
- Introduction to IoT -Cisco
- CCNA: Introduction to Networks
- IT Essentials -Cisco

## REFERENCES

### Mr.RPS Kathriarachchi

B.Sc. (Hons) in Computer Network (UK),M.Sc. in ITM(Merit)

Senior Lecturer

Head-Department of Information Technology

Department of Information Technology

General Sir John Kotelawala Defence University

pathum@kdu.ac.lk

### Mrs.DU Vidanagama

B.Sc.(Special)(Hons) in Statistics and Computer Science(Kelaniya, SL), M.Sc. in Management and Information Technology(Kelaniya, SL).

Senior Lecturer

Head-Department of Information Technology

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