



Anuranga Madushan

Software Engineering Enthusiast

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👤 PROFILE

Enthusiastic and self-motivated undergraduate with a strong foundation in software engineering principles and hands-on experience in web and mobile application development. Proficient in multiple programming languages, frameworks, and tools, with a keen interest in creating innovative solutions. Demonstrates a proactive approach to problem-solving, excellent teamwork skills, and a commitment to continuous learning

🎓 EDUCATION

BSc (Hons) in Computer Science and Technology

Uva Wellssa University of Sri Lanka

2021 – present

G.C.E. A/L - Maths stream With ICT

Badulla Central College

2010 – 2018

🔧 TECHNICAL SKILLS

Laravel Framework

Java

Unity engine

Python

PHP

React js

Tailwind css

Figma

GitHub | Git

Cloud Computing

MySQL

MongoDB

Kotlin

Java

Spring Boot

C++

JavaScript

Three.js

📁 RESEARCH AND PROJECTS

Automated Detection of Defects and Grading of Chicken Egg Quality (Ongoing)

- **Technologies:** Python, OpenCV, scikit-learn, and Jupyter Notebook

Developed a machine learning-based system to detect defects and grade chicken eggs using the candling method. The project focuses on identifying external defects, air cell size, and yolk outline in accordance with SLSI standards. Technologies used include image processing, Support Vector Machines (SVM), and Random Forest for defect detection and grading.

Smart Door Lock System with IoT Integration (IOT Project Ongoing)

- **Technologies:** Arduino IDE, Blynk, Flutter

Designed and developed a smart door lock system controlled via a mobile application, enhancing home security and user convenience. The system leverages IoT technology to enable remote locking/unlocking, real-time status monitoring, and secure authentication mechanisms

Wildlife Circle Website 🌐

- **Technologies:** Laravel, React.js, OpenAI API, Blender, Sketchfab

Developed an interactive website for the Zoology Department at University of Sri Jayewardenepura to promote wildlife awareness and education. The platform features AI-generated blog posts for wildlife-related topics and a virtual game that enables users to interact with 3D animal

<https://www.wildlifecircle.org/> 🌐

University Event Management System (Project 1)

- **Technologies:** HTML5, CSS, Bootstrap, JavaScript, PHP, MySQL

Developed an application to manage and display university events and project details. The system allows easy tracking of events, project statuses, and offers a user-friendly interface for event and project management

SOFT SKILLS

- Communication Skills
- Teamwork & Leadership Skills
- Time Management
- Creativity & Problem Solving
- Self-Motivated
- Adaptability

LANGUAGES

English

Professional Working Proficiency

Sinhala

Native or Bilingual Proficiency

INTERESTS

Software Development

Game Development

AI and Machine Learning

Cloud Computing

Data Science and Visualization

IoT Systems

EXTRA CURRICULAR ACTIVITIES

- Taekwondo player in the University team
- IEEE volunteer

Parking Management System (RAD Project)

- **Technologies:** JSP, HTML, Bootstrap, CSS, MySQL

Developed a Parking Management System to efficiently manage parking spaces, allowing users to reserve spots and view parking availability. The system includes an intuitive user interface and dynamic functionality for both administrators and users

Smart Space Solution (WAD Project)

- **Technologies:** PHP, HTML, Bootstrap, CSS, MySQL

Engineered a comprehensive Space Management System within a web application framework, featuring robust reservation tracking and real-time availability updates; improved operational efficiency by streamlining vehicle management processes for 50+ users.

AWARDS

Second Place - Taekwondo Interfaculty Match (Feather weight Class)

Dean's List (First Year, First and Second Semesters)

Semi-finalist in the Business Stage Final Competition IEEE INSL Innovation Nation Sri Lanka

REFERENCES

Dr. K.P.P.S. Pathirana, Senior Lecturer,
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