



AVINDU PAYAGALAGE

ABOUT ME

I am a dedicated and ambitious software engineering student with a passion for technology and innovation. My commitment to working smart and leveraging critical thinking skills enables me to tackle complex problems with diverse and innovative solutions. I am currently seeking an internship opportunity to apply my skills in real-world projects, gain hands-on experience, and further develop my expertise while contributing positively to the organization.

EDUCATION

Bachelor of Information and Communication Technology (Hons.) - (3rd Year Undergraduate)

Department of ICT
Faculty of Technology
University of Sri Jayewardenepura

G.C.E Advance Level - 2020

Ananda College, Colombo 10
Science for Technology - (A) | Engineering Tec. - (B) | ICT - B

PROJECTS

UniSource - University-Driven Open-Source Community

ICT Project - Faculty of Technology, University of Sri Jayewardenepura

- Developed a platform connecting university students with software industry professionals to contribute to open-source projects.
- Designed and implemented microservice architecture.
- Delivered detailed project proposals, SRS documents, prototypes, and other documentation for streamlined development.
- Technologies Used: Next.js, Spring Boot, MySQL.
- <https://github.com/uni-source> | <https://uni-source.netlify.app/>

SKILLS

MERN Stack

JavaScript

Python

Java

C#

Arduino Programming

Machine Learning

Shopper

- Developed a responsive e-commerce website for a clothing store with secure login, signup, and cart functionalities. The platform provides a seamless user experience, allowing customers to browse products, manage their cart.
- Technologies Used: React.JS, Node.js, Express.js, MongoDB
- <https://github.com/Avindu21894/Shopper>

VOLUNTEER EXPERIENCE

Event Coordinator – Event Division
(2024 – Present)
ICT Society
Faculty of technology
University of Sri Jayewardenepura

CERTIFICATIONS AND COURSES

JavaScript Essentials 1 – Cisco Networking Academy
Postman API Fundamentals Student Expert
Web Design for Beginners – UOM
Python for Beginners – UOM
AI/ML Engineer Stage 01 – SLIIT
AI/ML Engineer Stage 02 – SLIIT
English for IT 1 – Cisco Networking Academy
English for IT 2 – Cisco Networking Academy

COMPETITIONS AND ACHIEVEMENTS

Cypher 2.0 KDU CTF – 2nd Runners up
CyberShield 3.0 CTF – SLIIT
SLIIT CodeFest 2023 CTF – SLIIT
All Island Art Competition 2016 (Graphic art) –2nd Place
Participation in Chess Competitions

EXTRACURRICULAR ACTIVITIES

Member of IEEE Student Branch – University of Sri Jayewardenepura
Organizing Committee (Logistics) member of ElectroCombat'24 – MTSS, FOT, USJ
Organizing Committee (delegates) member of J'pura Expedition – MTSS, FOT, USJ
Organizing Committee member of Cybersphere 2024 – FOT, USJ
Participation in workshop on Integrating Robotics with 3D Puzzles – Faculty of Engineering, University of Peradeniya
Member of Adventure Club – University of Sri Jayewardenepura

Estate

- Developed a frontend for responsive real estate website providing a fluid user experience for property browsing and management and hosted the website.
- Technologies Used : React.JS, Tailwind CSS
- <https://avindu21894-estate.netlify.app/>
- <https://github.com/Avindu21894/Estate>

Tomato Color Detector

- Developed a real-time tomato color detection and counting system using YOLOv8, capable of identifying and classifying tomatoes as red, green, or intermediary. The system processes live video input to detect tomatoes on a conveyor belt, ensuring accurate classification and maintaining a persistent count for each category.
- Technologies Used : Python, YOLOv8
- https://github.com/Avindu21894/Tomato_Colour_Detector

AudiBook

- Audibook is a web application developed to streamline the auditorium booking process for the Faculty of Technology at the University of Sri Jayewardenepura.
- Technologies Used: Next.js, Spring Boot, MySQL.
- <https://github.com/audi-book>
- <https://audi-book.netlify.app/>

Smart Helmet for Miners

Digital Control System module project:

- Created a real-time monitoring system using Arduino for gas levels and health parameters.
- Incorporated machine learning for predictive health analysis.
- Technologies Used: Arduino, Python, JavaScript
- [Project Video Link](#)

Facial Expressions Detector

- Designed a emotion detector capable of detecting emotions using facial expressions such as Happy, Sad, Angry and Surprised.
- Technologies Used : Python

REFERENCES

Dr. Nalaka Lankasena
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