



MALITH RATHNAYAKE

Software Engineer Intern

Contact

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Education

Bsc. (Hon's) in Computer Science
Uva Wellassa University of Sri Lanka
Sept 2021 – Present

G.C.E (A/L) | Physical Science
Ibbagamuwa Central College
2019

TECHNICAL SKILLS

- Python
- PHP
- Figma
- MongoDB
- Next.js
- node.js
- Django
- Git
- MERN Stack
- Postman
- Kotlin
- MySQL

About Me

I am an enthusiastic Computer Science undergraduate with a passion for building practical, user-focused software solutions. I have hands-on experience in full-stack development, creating applications. With a strong foundation in programming, problem-solving, and teamwork, I aim to deliver impactful and innovative solutions to real-world challenges while continuously enhancing my skills.

RESEARCH AND PROJECTS

Research November 2024 – Ongoing
AI-Driven Learning Assistance Tool for Endemic Fish Species Identification

- Leveraging Convolutional Neural Networks, Taxonomic Features, Ontology and Explainable AI for Transparent Insights .
- **Technologies** -- Python , TensorFlow/Keras, CNN training, Grad-CAM and SHAP for XAI, and SPARQL for ontology management,

Project July 2024
GearWise – CRM System for Automated Vehicle Service Center

- A platform enabling user registration, service appointments, rescheduling, notifications, GPS tracking, chatbot support, feedback, and efficient operations.
- **Technologies** -- MERN Stack, HTML, CSS, JavaScript, React Bootstrap, MongoDB, Express, Node js

Project November 2024 – Ongoing
UvaRayon: Dynamic University Media Portal for Collaboration and Growth

- A smart event management platform to streamline planning, scheduling, and managing coordination. Provides event calender,sort events and the easy reachable. Ensures seamless user experience with intuitive interfaces and automated workflows.
- **Technologies** -- TypeScript, Tailwind CSS, Node.js, Express.js, MongoDB, NextAuth.js, Git, GitHub, Figma, Postman.

INTERESTS

- Software Development
- AI and Machine Learning
- Data Science and Warehousing
- IoT Systems
- UI - UX

EXTRA-CURRICULAR ACTIVITIES

- Treasurer - UvaRayon Media Club of Uva Wellassa University, Badulla
- Member of Computer Society of Uva Wellassa University
- Member of LEO Club of Uva Wellassa University

Skills

- Content Creating
- Videography
- Management Skills
- Leadership Skills
- Product promotion
- Value Propositions

ACHIEVEMENTS

- Certificate in UI/UX Design with Figma
- Learn and Build Containers from Scratch Using Docker, Kubernetes, and DevOps
- AWS Certified Security - Specialty Practice Exams
- Certificate in Java and Backend Development with Node.js

Language

English

Sinhala

Project

June 2024

Developing a NumExtractor: AI-Powered Contact Number Extraction Tool for Images

- Developed NumExtractor, a Python macOS app for OCR-based contact extraction, CSV export, and Excel conversion.
- **Technologies** -- Python, PyQt5, Tesseract OCR, pandas, PIL (Pillow), Regular Expressions (re), PyInstaller

Project

2023 / 2024

VESTARIO - A Web Application for a Clothing Store

- User Registration and Login, Product Management, Placing a Order Shopping Cart, Wish List, Payments, Order Tracking, Ratings and Reviews, Custom Design Orders
- **Technologies** -- HTML, CSS, JavaScript, PHP, MySQL, XAMPP Server, Bootstrap

Project

2022 / 2023

Elezione

- Elezione is a secure, user-friendly online voting platform for efficient account management and elections.
- **Technologies** -- HTML, CSS, JavaScript, PHP, MySQL, XAMPP Server, Bootstrap

Project

2022

Web Develop for 'Travel with Krishan': A Tourism Booking Platform Promoting Sri Lanka

- Developed a comprehensive travel website, 'Travel with Krishan,' designed to provide seamless booking of travel and tourism services while promoting Sri Lanka as a premier travel destination. The platform offers users an intuitive experience for exploring travel options, making bookings, and discovering the beauty and culture of Sri Lanka
- **Technologies** -- HTML, CSS, JavaScript, PHP, MySQL, XAMPP Server, Bootstrap

Project

2023 / 2024

BidWiz - A dynamic bidding based platform enabling product selling, selling real-time price negotiation

- User Registration and Login, Product Management, Placing a Order Shopping Cart, Wish List, Payments, Order Tracking, Ratings and Reviews, Custom Design Orders
- **Technologies** -- HTML, CSS, JavaScript, React Bootstrap, MySQL, Python Django

References

Prof. E.M.U.W.J.B.Ekanayake Senior Lecturer - Department of Computer Science and Informatics Uva Wellassa University Phone: +94 711954433 Email: jayalath@uwu.ac.lk	Mr.Sachin Bandara Associate Technical Lead Geveo Australasia(pvt)Ltd Phone: +94 719362197 Email: pramodyasachin@gmail.com
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