

Yan Naing Kyaw Tint

Al & Robotics Engineer | Embedded Systems Developer | Python & STM32

https://robinglory.github.io/Portfolio/

About

Achievements Projects

Skills

Contact

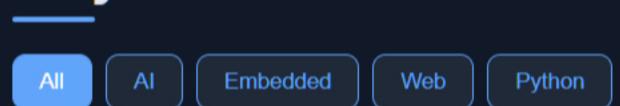
About Me

I am a Mechatronics and Computer Science student passionate about Robotics, AI, and Automation. With hands-on experience in robotics, machine vision, and AI-driven solutions, I have developed projects ranging from humanoid robots to Al-powered waste sorting systems. I have represented Myanmar in the JENESYS 2024 ASEAN-Japan Conference, led my team to 1st place at HackAtom, and developed impactful solutions in international hackathons. My goal is to create intelligent systems that bridge the gap between humans and technology, fostering sustainable and interconnected communities.

INTJ-A | Resilient | Purpose-driven

Download CV View CV

Projects



Color Dispensing Control Panel

STM32 MySQL Tkinter Python GUI with real-time STM32 hardware integration for pump-based color dispensing and inventory management.

GitHub

Embedded STM32

STM32 Water Dispense Controller

Embedded C++ firmware for 9-pump STM32 system with real-time calibration, flash storage, and serial command interface.

○ GitHub

WED Hackathon Project 2025

Arduino Web

EcoHarvest is an innovative smart farming solution designed to empower small-scale farmers to adapt to climate change. By integrating mechatronics, web technologies, and sustainable design, we aim to address key agricultural challenges.

G GitHub

Al for Everyone (Learning Journal)

Mediapipe OpenCV

Gesture and pose recognition projects using OpenCV, Python, and Mediapipe — based on Paul McWhorter's AI series.

GitHub

Automated Garment Sorting System

Arduino Robotics TCS3200

An automated garment sorting system using a robotic arm with color detection. The system identifies colored garments via TCS3200 color sensor, classifies them, and sorts into designated bins using a 5-DOF robotic arm.

GitHub

CS50 Python Course

CS50 Python

Pure Python Core Concepts by CS50!

GitHub

Photo_X Website CSS JavaScript HTML

Responsive photo gallery using HTML, CSS, Bootstrap, JS and jQuery.

Live Demo GitHub

CSS Bootstrap

Simple Recipe Website

Responsive recipe website using HTML, CSS,

Bootstrap, JS and jQuery.

Live Demo GitHub

Tindog

CSS Bootstrap

Responsive dog dating website using HTML, CSS, Bootstrap, JS and jQuery.

Live Demo GitHub

Only_Bootstrap_Website

HTML Bootstrap

This Website is built by only using Bootstrap. I don't use CSS and JavaScript for this Website. I wanted to see what only bootstrap can do in creating Website.

Live Demo GitHub

Admin Dashboard (Myanmar)

Myanmar Bootstrap

Admin dashboard built with Bootstrap only. This is a Myanmar language website showcasing localization capabilities.

Live Demo GitHub

Achievements



1st Prize – HackAtom 2024 (ROSATOM) March 2024

Developed atomic technology solution with ROSATOM

JENESYS 2024 Delegate to Japan February 2024

See Certificate →

Represented Myanmar in youth exchange program See Photos →

AAET Engineering Showcase

December 2023

Featured project demonstrating Al-powered automation See Project →

WED Engineering Day Hackathon March 2025

Designed and prototyped a smart farming solution

See Details →

Myanmar 100-Year Engineering Hackathon January 2025

Developed Al-powered robotic waste sorter with 92–95% accuracy

See Demo →

Industrial Project – STM32 System Ongoing Built and deployed full-scale industrial color dispensing solution

See Case Study →

Skills

Python (Advanced)

Languages

- C/C++ (Embedded) HTML/CSS/JS
- SQL

STM32 Development Arduino Programming

Embedded Systems

OpenCV

PyTorch

AI & Computer Vision

- TensorFlow Lite Mediapipe

▶ I2C/SPI/UART

RTOS Concepts

Git Version Control

Tools & Platforms

- VS Code PlatformIO
- Figma Design

Contact

🔛 Email

- in LinkedIn Twitter



GitHub

Let's connect and collaborate on innovative projects!





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