MADELYN M. ROCHA
COMPUTER ENGINEERING STUDENT

CONTACT

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📍 Malbog, Buenavista, Marinduque

EDUCATION

2022 - 2026

MARINDUQUE STATE UNIVERSITY

Tanza, Boac, Marinduque

- College | Bachelor of Science in Computer Engineering

2020 - 2022

BUENAVISTA NATIONAL HIGH SCHOOL

Brgy Uno, Buenavista, Marinduque

- Senior High School | Science, Technology, Engineering, and Mathematics

2019 - 2020

BUENAVISTA NATIONAL HIGH SCHOOL

Brgy Uno, Buenavista, Marinduque

- Junior High School

2010 - 2016

MALBOG ELEMENTARY SCHOOL

vMalbog, Buenavista, Marinduque

- Elementary

PROFESSIONAL SUMMARY

Passionate Computer Engineering student with experience in embedded systems, IoT projects, and software development. Skilled in designing and implementing hardware-software solutions, problem-solving, and collaborating in team environments. Experienced with Arduino, Raspberry Pi, Python, and Flutter app development. Eager to contribute to innovative projects and expand knowledge in computer engineering and IoT applications.

CORE COMPETENCIES

- Embedded Systems & IoT Development
- Hardware-Software Integration (Arduino, Raspberry Pi)
- Programming Languages: C/C++, Python, Java
- Mobile App Development (Flutter)
- Problem Solving & Analytical Skills
- Team Collaboration & Project Management

PROJECTS & EXPERIENCES

Automated Vinegar Fermentation System
- IoT-enabled system using sensors, solenoid valves, and a mobile app for real-time monitoring. Integrated hardware, cloud, and software solutions to modernize traditional food production.

CocoVine App
- Flutter mobile app connected to an IoT-based fermentation system. Features real-time monitoring, graph visualization, and alert notifications for vinegar production.