MARTIN A. NEVALGA

BSIT Undergraduate Student at Mapúa Malayan Colleges Laguna | 0916-296-7660 | nevalgamartin@gmail.com | Santa Rosa City, Laguna | https://notmar10.vercel.app/ (Web Portfolio) | https://www.linkedin.com/in/martinnevalga/ (LinkedIn Account)

SKILLS

SOFT SKILLS

Team Player | Effective communicator | Managing time and setting priorities | Flexible with new tools and technology | Being open to criticism and willing to learn

HARD SKILLS

Python | C# |C++ | Arduino | PHP | XAMPP | MySQL | Firebase | IoT | HTML | CSS Familiar with Windows |Basic Networking | Basic understanding of Cloud Platforms Basic Troubleshooting

ACADEMIC PROJECTS

GIS-BASED FLOOD MANAGEMENT SYSTEM
USING REMOTE SENSING. (CAPSTONE 2024 - 2025)

Function: A web and mobile-based system designed to enhance flood preparedness and response. The platform utilizes remote sensing data and GIS mapping to monitor river water levels in real time. It features automatic danger-level detection, risk visualization using maps, and a built-in SOS emergency button that allows residents to send their exact GPS location to local responders during emergencies.

Output:

- Fully functional Flutter Web and Mobile App with Firebase integration.
- Admin dashboard for monitoring river data.
- Integration with ESP32 microcontroller and TFmini LIDAR Sensor for precise water level measurement.
- Real-time SMS notification system for warning and danger levels.

Technologies Used: Flutter, Firebase, Google Maps API, ESP32, TFmini LIDAR Sensor, Realtime Database.

RIVER MONITORING SYSTEM FOR FLOOD PREVENTION AND READINESS USING MOBILE APPLICATION AND IOT. (FINALS PROJECT 2023)

Function: An IoT-based solution designed to monitor river water levels and provide real-time alerts via a mobile application. The system automatically detects rising water levels and notifies users before flooding occurs.

Technologies Used: Xamarin, Visual Studio 2022, Wemos D1 R1, Water Level Sensor, C#, .NET, IoT.

EDUCATION

COLLEGE (Mapúa Malayan Colleges Laguna)

Bachelor of Science in Information Technology (2021-2025)

- Organization:
    - Mapúa MCL InfoTech Society (Member)
- Academic Award:
    - Dean's Lister (3rd year – 3rd term)

SENIOR HIGH SCHOOL (University of Perpetual Help System Biñan JONELTA)

Accountancy, Business, and Management (2018-2020)

CERTIFICATIONS

- Google IT Support (July 2025)
- CompTIA IT Fundamentals+ (ITF+) Certification (July 2024)
- AWS Academy Graduate - AWS Academy Cloud Foundations (November 2023)
- Google Cloud Essentials (September 2023)
- CCNA: Introduction to Networks (November 2022)