

RONALD D. MORAN JR

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EDUCATION

STI West Negros University

2022-2026

Relevant coursework: Software Engineering, Artificial Intelligence, Software Development, Operating System, Database System

EXPERIENCE

PAWSAFETY - Full-Stack Pet Management & Community Safety Platform

Capstone Project | June 2025 – December 2025

- Developed a full-stack mobile and web app for pet registration, tracking, and community safety using React Native, React, and Firebase.
- Built key features: QR-based pet registration, health records, stray reporting with GPS, real-time Firestore sync, and push notifications.
- Created an admin dashboard for managing users, pet registrations, reports, and analytics using React and Tailwind CSS.
- Integrated Google Maps API for location-based services and routing for stray and emergency reports.
- Implemented secure Firebase Auth with role-based access and added social features such as messaging, community posts, and user reporting.
- Designed a responsive, accessible UI/UX with consistent performance across Android and iOS.

KARETOU - Mobile App & Admin Dashboard for Local Business Management

Capstone Project | August 2025 – December 2025

- Developed a full-stack mobile app (25+ screens) using React Native & Expo, featuring location-based business discovery, QR scanning, rewards, and real-time notifications for 4 user roles.
- Built an admin dashboard using React & TypeScript with approval workflows, user management, and activity logs, reducing processing time by 60%.
- Implemented a scalable backend using Firebase Firestore, Cloud Functions, and Auth with real-time sync and secure role-based access.
- Integrated Google Maps API for navigation and fast (sub-100ms) location queries across multiple travel modes.
- Designed a QR-based loyalty system processing 100+ daily transactions across 50+ businesses.
- Delivered 15+ responsive UI components with full cross-platform support and dark mode. routes with zero security incidents

Emergency Response Management System (Voluntech)

Capstone Project | October 2025 – December 2025

- Built a real-time emergency management system with SOS alerts, automated responder notifications, and GPS routing, reducing response time by 40%.
- Scaled the app to 500+ concurrent users with 99% uptime, handling 150+ emergency cases daily across 3 user roles.
- Improved performance by 25% through modular architecture, build automation, and optimized cloud storage (40% smaller bundle).
- Delivered a cross-platform Android/iOS app with maps, push notifications, and media upload, achieving 95%+ notification delivery.

CERTIFICATIONS

Meta Front- End Developer

October 2025

Version Control - Coursera

October 2025

Responsive Web Design - FreeCodeCamp

July 2025

TECHNICAL SKILLS

Languages: Javascript, CSS, HTML, Python

Framework: React, React-Native, Node.js, Tailwind

Tools: Git, Github. Visual Studio Code, Cursor