



# JOSHUA ADRIAN M. MORTEL

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<https://wandering-astronaut.github.io> [github.com/Wandering-Astronaut](https://github.com/Wandering-Astronaut)

## ABOUT ME

Computer Science graduate with experience developing cross-platform mobile applications using Flutter, Firebase, and REST APIs. Built responsive mobile applications with authentication, database integration, and modern UI design. Passionate about creating intuitive and high-performance mobile experiences.

## SKILLS

**Mobile Development:** Flutter, Dart, FlutterFlow, Firebase, Android Studio, Expo/Expo Go

**Frontend Development:** HTML, CSS, JavaScript

**Backend & Database:** PHP (Laravel, CodeIgniter), MySQL, Firebase, REST APIs

**Programming Languages:** Java, Python, C, C++

**Tools & Platforms:** Git, GitHub, Visual Studio Code, Figma, Google Colab, XAMPP, Vercel

## PROJECTS

### SMART NUTRITION: A Decision-Support System Utilizing AI for Personalized Filipino Meal Recommendations

**Technologies used:** Flutter/Dart, Python, Django, scikit-learn, PostgreSQL, Google Colab

- Developed an AI-powered mobile app that generates personalized 7-day Filipino meal plans using a hybrid K-Means clustering and Decision Tree model, with an expert system enforcing allergen filtering and health condition overrides.

### FLICKSTER: Movie Review App

**Technologies used:** FlutterFlow, Firebase

- Developed a mobile app for browsing, rating, and reviewing movies, utilizing FlutterFlow for the UI and Firebase for user authentication and data storage. Implemented key features such as movie search, user reviews, and personalized watchlists.

### FACILITY AND PARKING INFORMATION MANAGEMENT SYSTEM (FPIMS)

**Technologies used:** Javascript, PHP(CodeIgniter), SQL(MySQL), HTML, CSS

- Developed a web-based system for managing facility bookings and parking slot availability using CodeIgniter PHP. Created responsive user interfaces with HTML, CSS, and JavaScript to display real-time availability and booking status. Implemented role-based access controls and an admin dashboard for facility monitoring and user management.

## EXPERIENCE

### Web Development Intern

**iFormatLogic IT Solutions** | June 2025 - August 2025

**Live Project:** <https://optix-lab-wandering-astronauts-projects.vercel.app/>

**Tech Stack:** HTML, CSS, JavaScript, WordPress, WooCommerce

- Developed a fully responsive e-commerce website using *HTML*, *CSS*, and *JavaScript*
- Built and customized *WordPress* and *WooCommerce* functionality for product listings, cart, and checkout system
- Translated UI/UX designs into a functional and user-friendly web application
- Optimized website performance and ensured cross-browser compatibility
- Conducted debugging and testing to improve reliability and user experience
- Deployed and hosted the final website, making it publicly accessible

## EDUCATION

2022 - 2026

Columban College, Inc.

### Bachelor of Science in Computer Science

- Dean's List, 2022-2026
- Academic Honor, 2024-2025

## CERTIFICATIONS (CISCO NETWORKING ACADEMY)

CCNA: Switching, Routing, and Wireless Essentials | NDG Linux Essentials | PCAP - Programming Essentials in Python | CPA/CLP/CLA - C/C++ Programming Essentials