





# Rein Mark Del Rosario Fullstack Developer

 Portfolio

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## Profile

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Dedicated fourth-year university student with rich understanding of the web and data analytics, experienced in developing responsive web design, building versatile databases, and data visualization. Looking for Full-Stack Developer, Data Analyst, or Software Engineer internship roles to expand my knowledge and experience.

## Skills

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**Programming Languages:** Python, JavaScript, Typescript, PHP, MySQL

**Frameworks / Dev Tools:** Django, Flask, React, React Native, ngrok, Ubuntu, Git

**Technologies:** Firebase, Ollama, Power BI, Adobe XD, Figma, xampp

**Soft Skills:** Problem-Solving, Analytical, Adaptability, Communication, Time Management

## Projects

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### IoT-based Flood Monitoring System

May 2025 – Present

*Python/Flask, scikit-learn, React, Firebase, M360, open-meteo*

- Built a real-time web dashboard for flood monitoring and admin emergency response.
- Integrated two-way SMS API blasting and GPS location-sharing to alert 1000 residents.
- Implemented a flood prediction model receiving live data and weekly retraining cycles, achieving 88% accuracy.

### AI Food Recommendation App

Feb 2025 – May 2025

*Python/Django, React Native, Expo, MySQL, Ollama (gemma3:4b)*

- Built a mobile application that recommends food recipes according to user dietary preferences, budget, and allergies, with an image recognition feature.
- Integrated gemma3 large language model locally hosted through ollama for personalized recommendations.
- Implemented django user authentication for secure account management

### Offline Attendance System

Jun 2025 – Aug 2025

*Python/Flask, qrcode, sqlite*

- Developed automated reporting system with scheduled email delivery
- Built manual student addition interface alongside import capabilities
- Identified and resolved multiple bugs to improve application stability

## Education

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### Bachelor of Science in Computer Science

Sep 2022 – present

*University of Perpetual Help System DALTA – Molino | Dean's Lister*

Relevant Coursework: Design, Analysis and Algorithms, Operating Systems, Discrete Structures, Artificial Intelligence, Data Mining, Database Systems, Information Assurance and Security, Networking and Communication, Web Systems and Technologies

## Certificates and Training

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**Cisco Ethical Hacker**  – November, 2025

**Certiport Python IT Specialist**  – December, 2024

**Alison Introduction to Memory Management** – November, 2024

## References

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