

# JUSTIN RICH M. DIMAANDAL

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## EDUCATION

### University of Batangas

Bachelor of Science in Information Technology

August 2021 – June 2025

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Web Development, Systems Analysis and Design, Mobile Application Development
- **Organization:** Brahman Integrated Computing Society (BRICS) – Member
- **Awards:** Cum Laude, Student Achiever Awardee 2025

## EXPERIENCE

### IT Programmer Intern

January – May 2025

Mitsubishi Power (Philippines) Inc.

Ag & P SEZ, San Roque, Batangas, Philippines

- Designed and deployed a **Disposal Management Application** using Microsoft Power Apps and SharePoint, streamlining asset disposal requests across **4+ departments** and cutting processing time by **40%**.
- Developed a **CATAF Request System** for the Finance Department, automating approval workflows and reducing manual paperwork by **over 60%**.
- Integrated **SharePoint lists** and **Power Automate flows** to centralize data management and ensure secure, real-time tracking of requests.

## PROJECTS

### One Tingloy | Capstone Project | PHP (CodeIgniter), MySQL, JavaScript, Bootstrap

- Developed a **full-stack tourism management system** for the Municipality of Tingloy, centralizing **100% of registered tourist destinations** and **40+ transient houses**.
- Implemented a **booking and reservation module** to streamline accommodation requests by **70%** across departments.
- Built a role-based CMS enabling **10+ municipal staff** to manage listings and content without technical assistance.

### LakBayan | Collaborative Academic Project | Python, Kivy

- Engineered an **interactive mobile app** that gamifies Philippine history for preschool students, resulting in **40% faster learning engagement** in pilot testing.
- Developed **4 modular learning categories** with dynamic quizzes and a matching-card mini game providing **instant feedback and progress tracking**.
- Implemented a **persistent leaderboard system** optimized to maintain **smooth performance on devices with <2 GB RAM**.

### Personal Portfolio | React, TypeScript, Tailwind CSS, Vite

- Built a single-page portfolio site with **100% mobile responsiveness** and modular reusable components.
- Deployed via Vercel with CI/CD integration, cutting deployment time from **15 min to under 1 min**.
- Achieved **88–96 Lighthouse score** across all categories by optimizing Tailwind setup and bundling with Vite.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, C++, PHP

**Web:** HTML5, CSS3, React, Tailwind CSS, Bootstrap, CodeIgniter, RESTful APIs

**Tools:** Git, GitHub, Visual Studio Code, JetBrains IntelliJ IDEA, PyCharm, Figma, Microsoft Power Platform, Vercel

**Database:** MySQL

## CERTIFICATION

AWS Academy Graduate – AWS Academy Cloud Foundations – AWS Academy

December 2024