

Emmanuel Delacruz Malagamba

Full-Stack Software Developer

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PROFESSIONAL EXPERIENCE

- Kave Guild: Your Web3 Ally**, *Full-Stack Software Developer* 01/2025 – 05/2025
- Delivered a functional POS system by contributing to the full-stack development using the MERN stack with integrated inventory tracking.
 - Ensured seamless user experience across devices by implementing responsive designs.
 - Strengthened team productivity by practicing Agile Scrum, engaging in sprint planning, daily stand-ups, and iterative releases.

EXPERIENCE

- Freelance Full-Stack Developer**, *Kave Guild: Your Web Ally* 06/2025 – Present
- Continued improving the POS system by supporting feature updates and maintenance in collaboration with the lead developer using the MERN stack.

- Thesis Researcher**, *Full-Stack Developer* 01/2024 – 11/2024
- Empowered farmers through a cross-platform app for pest identification and yield forecasting using CNN *TensorFlow/Keras* and *OpenCV*.
 - Ensured iterative progress and risk mitigation by applying the Agile Spiral model.

- Code Fest** 03/2024
- Secured 1st Runner-Up in a 6-hour coding challenge by developing a Java-based hotel reservation mobile app as the front-end lead in a 3-person team.

PROJECTS

- AI-Refine** 🔗 04/2025
- Built a web tool using Next.js and PocketBase that allows users to drag and drop images and apply augmentations *flip, grayscale, blur, brightness* to enhance CNN model accuracy.

- Thesis Library Portal**, *Contributor* 🔗 07/2025
- Contributed to UI performance by improving responsiveness and refactoring component code for maintainability.

- Appliance Shop E-commerce Website**, *Contributor* 🔗 05/2025
- Implemented sales forecasting using Facebook Prophet and displayed results through interactive front-end visualizations.
 - Designed and integrated a dedicated analytics page to visualize various datasets for enhanced user insights.
 - Implemented CRUD operations to enable data flow between the front-end and back-end.

EDUCATION

STI-College of General Santos City, 06/2021 – 06/2025
Bachelor of Science in Computer Science

Notre Dame-Siena College of General Santos City, 06/2019 – 06/2021
Science, Technology, Engineering, and Mathematics