

## Jayne Vernice Ramos

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### Skills

**Languages:** HTML5/CSS, JavaScript, SQL, PHP, Python, Java, C#, C++

**Libraries & Frameworks:** Bootstrap, TailWind CSS, Laravel, jQuery, ReactJS

**Machine Learning & AI:** YOLOv8, OpenCV

**Development Tools:** Git, Google Colab, Roboflow, Replit

### Experience

#### Philippine Rice Research Institute

Science City of Muñoz, NE

##### Web Developer (OJT)

February 2024 – May 2024

- Designed and developed a dynamic reporting website for PhilRice's training initiatives, incorporating interactive graphs and role-based access. The platform provides guests with post-survey report views and offers authenticated staff (encoder, admin, super admin) secure, differentiated access across all PhilRice stations.
- Contributed to the back-end development to ensure robust user role and profile management, including overseeing encoders and admins by promoting, demoting, and blocking or unblocking accounts, as well as monitoring live page visits.
- Integrated advanced front-end and back-end technologies, including Flowbite, Laravel, ApexCharts, AJAX, and SweetAlert, to enhance system functionality. This resulted in a user-friendly web application with seamless interactivity.

### Personal Projects

#### Aerator Automated Aquaculture Monitoring System Using

May 2023 – December 2023

##### Computer Vision for CLSU-FAC's Catfish Farming

- Capstone Project: Developed a Python script for real-time detection and counting of gasping catfishes using an ESP32-Camera module. Collected and processed a custom dataset from a catfish pond, including data filtering and annotation with Roboflow, to train a YOLOv8 model for precise detection.

#### Reactfolio

January 2024

- A personal portfolio website developed using ReactJS, to showcase educational background, professional experiences, technical skills, and projects, with integrated contact information for networking and opportunities. View the project at <https://jaynevernice.github.io/reactfolio/>.

### Certifications and Trainings

#### FOUNDATIONAL C# WITH MICROSOFT

September 1, 2024

*freeCodeCamp & Microsoft*

#### AWS ACADEMY CLOUD FOUNDATIONS

September 4, 2023

*AWS Academy*

#### IT MARKETING CHALLENGE

May 5, 2023

*International Research Conference on Information Technology Education*

#### SAP ANALYTICS CLOUD

March 31, 2023

*ASEAN Data Science Explorers*

#### BITS: C PROGRAMMING TUTORIAL SESSION II

April 18, 2021

*CLSU Builders of Information Technology Society*

#### BITS: C PROGRAMMING TUTORIAL SESSION I

February 28, 2021

*CLSU Builders of Information Technology Society*

### Education

#### CENTRAL LUZON STATE UNIVERSITY

Science City of Muñoz, NE

*Bachelor of Science in Information Technology*

July 19, 2024

**Cumulative GPA:** 1.37, *Magna Cum Laude*

**Relevant Coursework:** Software Engineering, Web Development, Internet of Things