KENNETH S. GONZALES

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I am a computer engineering student passionate about building hardware projects with development boards like Arduino, ESP32, and Raspberry Pi, enhancing my IoT system skills. I also create modern websites and web applications using JavaScript, Python, and PHP, while utilizing tools like Canva and Figma. Recently, I have focused on integrating artificial intelligence into applications, connecting machine learning and system automation with embedded systems to develop smarter technologies.

SCAN MY LINKEDIN PROFILE

Relevant Experience

Software Developer Voluntary Intern - HumAIn PH
- Built and automated operational workflows in n8n, integrating AI models to handle repetitive tasks and improve process efficiency.
- Developed internal support and help-center pages to streamline user assistance and documentation.
- Implemented voice AI receptionist integration, enabling automated call handling and improved customer intake flow.

IT Desktop Engineer Intern - Intouch CX
- Re-imaged and deployed Windows systems using Windows Deployment Services (WDS), handled IT support tickets, and used Windows command-line tools for diagnostics and troubleshooting.
- Managed IT hardware inventory, processed new equipment, recycled old devices, and assisted with organizing IT office and server rooms.
- Collaborated on team projects, including Windows 11 upgrades, domain OU configurations, and server/network relocation tasks.

School Projects

IoT-Enabled Smart Greenhouse System Powered by ESP32
- Designed and developed an IoT-enabled Smart Mini Greenhouse System with real-time environmental monitoring and automated control as part of a two-person team.
- Led the coding and implementation of embedded systems, sensor integration, and web-based monitoring.

Predictive Flood Monitoring and Early Warning System Using Fuzzy Logic
- We developed a flood monitoring and early warning system tailored for the Municipal Disaster Risk Reduction and Management Office (MDRRMO) using a fuzzy logic algorithm.
- A web-based interface allows for real-time data monitoring and analysis, enhancing accessibility and user experience.
- A Messenger Chatbot is integrated to provide instant updates and alerts, ensuring timely communication during potential flood events.

Personal Projects

Staybooked
A web application designed to help Airbnb hosts and property managers develop effective strategies through an interactive AI-powered chat interface.

ML Models Repository
A collection of custom-built and fine-tuned machine learning models designed for real-world applications that combine data science and creativity

Linfodol
Build an n8n workflow that pulls recent USGS earthquake data, filters events in the Philippines, enhances the information with an AI model, and sends the formatted update to a Facebook Messenger user.

Certifications

Github Foundations Certification with Credly Badge
Jan 2025
Passing the GitHub Foundations certification exam validates subject matter expertise by measuring entry-level skills with GitHub basics like repositories, commits, branching, markdowns, and project management.

Oracle Cloud Infrastructure 2025 AI Foundations Associate
November 2025
The 1Z0-1122-25 certification prepares learners for the Oracle Cloud Infrastructure AI Foundations exam, focusing on fundamental AI and ML concepts and their practical applications within OCI. It's suitable for beginners without requiring prior technical experience.

Technical Skills

Frontend: HTML, CSS, JAVASCRIPT

UI/UX: Figma, Canva

Backend: NodeJs, ExpressJs

Hosting: Netlify, Github Page, Render, Heruko

Scripting: Powershell, Bash, Python

Database: MySQL, Firebase

Machine Learning: Collab, Kaggle, RoboFlow

Operating System: Windows, Linux

Education

Colegio De Montalban
2022 - 2026
Bachelor of Science in Computer Engineering

Kasiglahan Village Senior High School
2021 - 2022
Information and Communication Technology (ICT-Strand)

Involvement

Developer/Marketing
SandBox at Cdm - (Nexus Studios)
Jan 2025 - Jun 2026

Frontend Developer
codebility.tech
Jun 2025 - Dec 2025

Inventi Hackathon - Finalist
Smart Property Solutions for a Smarter City
Sept 29, 2025

Alibaba AI Cloud Hackathon - Finalist
Alibaba Cloud Philippines
Sept 29, 2025

Reference

Jerome Edison Lotivio
IT - Desktop Engineer
09554032754 | viber number

Dean Posada
System Administrator
09954497630 | viber number