

# **Kenneth Jearl S. Gonzales**

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Accomplished Computer Engineering student with a strong background in software development. Experienced in developing full-stack applications and automation solutions through internships and client projects, as well as designing IoT and robotics systems throughout my studies. Passionate about building innovative technology, from creating competitive academic projects to competing in and winning awards at hackathons.

## **Education**

### **Colegio de Montalban**

**Rodriguez, Rizal**

#### **Bachelor of Science in Computer Engineering**

Thesis: Developed an IoT-based flood prediction system using fuzzy logic, featuring a web dashboard and automated Facebook Messenger alerts in partnership with MDRRMO of Montalban, Rizal

## **Experience**

### **Codebility | Remote**

#### **Web Developer Intern**

- Built and refined frontend features for an AI-powered web application (Paw-Med AI), contributing production-ready code across sandbox, staging, and main environments
- Collaborated in an agile remote team using GitHub and Discord, submitting pull requests with conventional commits and participating in structured code reviews

### **Intouch CX | UPTC Diliman, Quezon City**

#### **IT Desktop Engineer Intern**

- Re-imaged and deployed Windows workstations using Windows Deployment Services (WDS), resolved IT support tickets, and performed system diagnostics using Windows command-line tools
- Managed IT hardware lifecycle by processing new equipment, tracking inventory, recycling decommissioned devices, and assisting with IT office and server room organization
- Supported infrastructure projects including Windows 11 upgrades, Active Directory organizational unit configurations, and server and network relocation activities

### **HumAIn | Remote**

#### **Software Developer Intern**

- Contributed to core product development by collaborating with cross-functional teams to plan, build, and integrate front-end and back-end features for web applications with consistent user experience
- Automated internal operations by building n8n workflows integrated with AI models, reducing repetitive tasks and improving process efficiency across teams
- Improved customer and internal support systems by developing help-center documentation and implementing a voice AI receptionist to streamline call handling and customer intake

### **SandBox at Cdm | School Organization**

#### **Marketing Team**

- Designed UI/UX, created social media content, and supported events with presentations and live broadcasting through cross-team collaboration

## Technical Projects

### Aptique

- Built a Finalist IoT-powered tenant management platform integrating real-time utility sensors and automated QR payments to eliminate billing errors and ensure transparent usage tracking between landlords and tenants.

### Linfodol

- Designed an automated n8n workflow integrating USGS APIs and OpenRouter AI to retrieve, filter, and analyze real-time seismic data specifically for the Philippines.
- Programmed a Facebook Messenger integration to instantly disseminate these AI-processed safety alerts to local residents.

### Aura Guard

- Engineered a Finalist hackathon project featuring a RAG-powered voice assistant that automates policy-compliant responses and protects human BPO agents from severe customer distress

### Vanittrack Smart Meal Ordering

- Built a 2nd Place-winning smart meal ordering platform for HCP engagements, automating Sunshine Act compliance, smart receipts, and expense reporting for sales representatives

### Health Map AI

- Developed a visual, step-by-step digital guide for public health services that transforms complex care processes into interactive roadmaps, with an embedded AI assistant to help citizens follow schedules, understand requirements, and reduce unnecessary clinic visits

## Skills & Interests

### Technical:

- **Programming & Development:** PHP, React, Node.js, HTML/CSS, Git
- **Machine Learning & Automations:** Google Collab, OpenRouter, n8n, Roboflow, Kaggle
- **Operating Systems & Scripting:** Windows, Linux, MacOS, Powershell, Bash, Python
- **Hardware & Robotics:** C++, Microcontrollers, Sensors, Different Modules

**Language:** English, Tagalog

## Awards & Certifications

- **Finalist |** Inventi Hackathon Challenge
- **Finalist |** Alibaba Cloud Philippines AI Hackathon
- **Finalist |** Vanigent Procure-a-Thon
- **Career Essentials in Generative AI by Microsoft and LinkedIn**
- **Github Foundations Certification**
- **IBM Information Technology Fundamentals**