KARL JHUNZ C. GONZALES

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Summary

I am a Computer Engineer who thrives on all things related to tech. With a strong focus on AI Agent Development, Workflows, Web Development, and IoT, I enjoy building things that solve practical problems. When offline or out of office, I love doing both outdoor and indoor activities like run, swim, and playing video games. If I've piqued your interest, feel free to reach out.

Experience

Workflow Automation Developer
Freelance
July - Present

Boosted lead acquisition to **1,000+ per month** by automating sales funnels with **n8n, Make.com, and Pipedrive CRM**

IT Support Specialist - Intern
R2 Group of Exclusive Brands
February - July 2025

Provided **L1 and L2 Support** for over **200+ stores**, and delivered IT Support that **minimized system downtime** for all departments, ensuring smooth operations and improved team productivity

Quality Assurance - Intern
ISO Office - TUP Visayas
July - August 2023

Tested and validated software features of our school's portal app, identifying and documenting bugs to minimize defects and improve product reliability before release

Projects

AI Fine Tuning and Development

Tech Stack: Python, TensorFlow, CNN, OpenCV, NumPy, Kaggle, HuggingFace, JupyterNotebook

AI Agent Development

Tech Stack: Python, LLM (Gemini), Google Cloud, Google ADK, LangChain

Heat Stress Monitoring for Poultry House

Tech Stack: C++, IoT, Embedded System, HTML/CSS, PHP, MySQL, Chart.js

Smart Home Control

Tech Stack: C++, IoT, ESP8266, Bluetooth Module, HTML/CSS, Javascript

Education

BS in Computer Engineering
Technological University of the Philippines - Visayas 2021–2025
- Thesis: Heat stress monitoring & cooling system for poultry houses
- PacketHacks Region VI – Finalist

Skills

Web Development: HTML/CSS, Javascript, PHP, SQL
AI: Python, Google ADK, LLM, RAG, HuggingFace, Kaggle, Jupyter Notebook, TensorFlow, OpenCV, NumPy, n8n, Make
IoT: C++, Arduino, ESP8266, ESP32, FPGA

References

Dr. Jayson John J. Quintanilla
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