Herald Carl Nicol Avila

📍 Bicol, PH 📞 +639993939533 ✉ heraldcarlavila@gmail.com ⌗ GitHub in LinkedIn

PROFILE

I'm a fourth-year student actively studying and working on projects in Python, AI, and full-stack development, including our capstone thesis assistant chatbot for thesis retrieval. I'm passionate about enhancing my skills in AI development, secure coding, and collaboration.

TECHNICAL SKILLS

PYTHON ● HTML/CSS/JAVASCRIPT ● GIT/GITHUB ● MYSQL/SQLITE/MARIADB ● Flask ● Jupyter Notebook ● Streamlit ● Data Handling & Analysis ● Java ● Software Development

ADVANCED SKILLS

- Artificial Intelligence
- Machine Learning
- Large Language Models
- Generative AI
- Prompt Engineering
- RAG
- Natural Language Processing
- Chatbots
- Cloud AI Integration
- Web Development
- Cybersecurity
- AI Ethics & Data Privacy

EDUCATION

BS Computer Science, *Camarines Sur Polytechnic Colleges*   08/2022 – 07/2026 | Bicol, Philippines
  GWA: 1.5
  Thesis: "Beyond LLMs: A RAG Chatbot for Efficient Literature Search and Thesis Retrieval in CSPC Library" - Contributing to the development of a RAG-based semantic search system to improve thesis retrieval and research access in our campus library

LEADERSHIP & ACTIVITIES

Co-hosted Opportunities/for-Students-in- Tech-2025 (Webinar)
  I co-hosted a webinar to share opportunities in tech beyond our campus, helping address the challenges underserved institutions face in accessing free learning resources.

CERTIFICATES

- GitHub Foundations 🔗
- GitHub Copilot 🔗
- Cisco: Data Science Essentials with Python 🔗
- Cisco: Data Analytics Essentials 🔗
- Cisco: Intro to Cybersecurity 🔗
- IBM: AI Fundamentals with Capstone 🔗
- OCI AI Foundations Associate '25 🔗
- OCI Generative AI Professional '25 🔗

LANGUAGES

English	●●●○○	Bikol	●●●●●
Filipino	●●●●○		

AWARDS

2025 Gawad Likha CSPCEANS, *Camarines Sur Polytechnic Colleges*   30/04/2025
  Entry: "Beyond LLMS: A RAG Chatbot For Efficient Literature Search and Thesis Retrieval in CSPC Library"