Herald Carl Nicol Avila

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