JILL V. NAVARRA

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OBJECTIVE

Computer Science student specializing in Artificial Intelligence with strong skills in Python, Dart, and Flutter. Experienced in deep learning using YOLOv8 and TensorFlow, with projects including an NLP-powered career recommendation system and an AI-driven dental diagnostic tool. Possesses a strong foundation in programming concepts, abstraction, and system design, with a focus on translating theoretical knowledge into practical implementations. Comfortable leveraging AI-assisted development tools and research resources to efficiently build innovative, resource-driven solutions that bridge theory and real-world applications.

SKILLS

Programming Languages
- Python (*Proficient*): Application development, automation, backend services, and AI/ML integration
- Dart (*Intermediate*): Flutter-based cross-platform mobile development
- JavaScript: Web interactivity and client-side logic
- C++ (*Familiar*): OOP, data structures, and algorithm fundamentals

Backend & Cloud
- FastAPI, Flask: RESTful API development, data validation, and AI/ML model integration
- Cloud-Based Inference: Real-time and on-demand predictions via deployed APIs
- API Integration: Frontend–backend connectivity for mobile and web applications

AI / Machine Learning
- YOLOv8: Object detection, dataset handling, and model evaluation
- Prompt Engineering (*Basic*): Structured prompt design for AI-assisted development

Mobile & Web Development
- Flutter: Android app development with responsive UI and basic state management
- HTML, CSS (*Intermediate*): Responsive and structured web layouts
- PHP (*Intermediate*): Backend logic and form handling

Tools & Design
- Visual Studio Code: Debugging, extensions, and version control integration
- Digital Art & Graphic Design (*Basic*): UI elements and visual asset creation

EDUCATION

Tertiary Education (Ongoing)

Qualifications:	Bachelor's/Undergraduate
Field of Study:	Computer Science
Major:	Artificial Intelligence
Institute/University:	West Visayas State University
	College of Information and Communications Technology

PROJECTS

- **Tinig** (*Dart, Flutter*) - An Android Augmented Alternative Communicative (AAC) application that aims to support individuals with communication difficulties
- **West Neku to Inu** (*HTML, CSS, PHP, SQL*) - a web-based application created to promote the well-being of stray animals at West Visayas State University (WVSU).
- **Calib** (*Firebase, Dart, Flutter*) - a Vercel-hosted web application that enables WVSU students to share and conveniently access a directory of file links for reviewers and study resources.
- **DecodeMe** (*Python, Dart, Flutter*) - An NLP-powered web application hosted on Render, built to analyze user input and provide personalized ICT career recommendations.
- **DeepDent** (*Python, Tensorflow, Dart, FLutter*) - A mobile application powered by YOLOv8 and U-Net models, developed to detect gingivitis and periodontitis using clinical gum images and dental X-rays.
- **Pa Barya** *(Python, Tensorflow, HTML, CSS)* - a website application that uses YOLOv8 for detection of Philippine Peso bills with the primary purpose of handling denomincation of coin exhange. This can also be furthered implemented on machines.

CERTIFICATIONS

CIVIL SERVICE EXAM (CSE) - PROFESSIOAL LEVEL PASSER

LANGUAGE

Filipino (*Conversational*)
English (*Conversational*)
Hiligaynon (*Conversational*)

CONTACTS

Portfolio: https://jills-portfolio.vercel.app/
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