DIANE SOPHIA G. FUENTES

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WORK EXPERIENCE

Full Stack Software Developer Intern , MYT SoftDev Solutions Inc.   **Sept 2024 - Nov 2024**

- Contributed to a client-based project by developing assigned features using **PHP (CodeIgniter).**
- Developed a responsive, corporate-style website using **React.js** based on Figma designs.
- Learned and applied ERD for database design and collaborated closely with the dev team.
- Gained hands-on experience across multiple roles — including frontend, backend, QA tester, and project management — enhancing my understanding of the full software development lifecycle.

PROJECT EXPERIENCE

InspectorBill: Machine Learning-Based Philippine Currency Denomination Recognition Model

- Developed a **machine learning model** using **Python** for real-time recognition of Philippine currency denominations.
- Trained the model with **YOLOv8** on datasets from **Roboflow** plus custom-collected images for improved accuracy.
- Integrated audio feedback to support accessibility for visually impaired users.

Philippine Currency Denomination Recognition with Audio Feedback with Raspberry Pi 4

- Integrated a trained YOLOv8 model on **Raspberry Pi 4** for live currency detection using **Python**.
- Built a **React.js** website with real-time Firebase data monitoring for instant updates.

Golden Haven: A .NET-based Hometown Community Portal

- Built features like local announcements, Billing page, Facility reservations and resident engagement like poll survey, real time chat system and community forum using **ASP.NET, C#** and **MySQL**
- Designed a user-friendly interface to improve local communication and service access.

Cooktrition Facts: Machine Learning-Based Recipe Recommendation

- Provides nutrition facts using a trained **Python** model, served via a **Flask API**.
- Developed a **React Native** mobile app with **Firebase** for authentication and real-time data storage.
- Filters recipes by dietary needs and allergies, and provides nutrition facts for healthier choices.

TECHNOLOGY STACK

- Languages : Java, C, C#, JavaScript, PHP, SQL and Python
- Frameworks & Libraries: React, Expo(React Native), Node.js, Express, bootstrap,Tailwind CSS, and Vite
- Tools & Platforms: Git, Firebase, Figma and Raspberry pi4
- Machine Learning : YOLOv8, OpenCV, TensorFlow (basic), scikit-learn (basic), pyttsx3 and LabelImg

EDUCATION
                                                                     Aug 2021 - June 2025
Bachelor of Science in Computer Science

University of Cebu - Main

- **Thesis :** InspectorBill - A Currency Classification Leveraging Machine Learning for Philippine Bill Denomination Recognition
- **Software Engineering Project** and **Research Paper** : Cooktrition Facts - Machine Learning based Recipe Recommendation system based on user preferences that also provide nutrition facts.

AFFILIATION AND VOLUNTEERING

- Vice President - External, Computing Society of the Philippines Students   **Aug 2024 - May 2025**
- Assistant Secretary/Volunteer, Computing Society of the Philippines Students   **Aug 2023 - June 2024**
- Young Leader, Boys and Girls Brigade of the Philippines   **June 2015 - April 2019**

ACHIEVEMENTS

- Graduated Cum Laude   **(2021 - 2025)**
- Dean's Lister   **(2021 - 2025)**
- Grant for Dean's Lister   **(2021 - 2025)**
- Qualified under TOPCIT Level 2   **(2024)**