

DIANE SOPHIA G. FUENTES

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Computer Science graduate with honors, passionate about software engineering, machine learning, and cybersecurity. Skilled in developing responsive, scalable solutions and implementing AI-driven systems. Seeking opportunities to contribute to impactful projects and grow in a collaborative environment.

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 Python-based machine learning model for real-time Philippine currency recognition, trained with YOLOv8 on custom datasets prepared with Roboflow, and equipped with audio feedback to support accessibility.

Golden Haven: ASP.NET-based Hometown Community Portal

- Developed a web-based platform delivering an integrated subdivision management solution, including resident administration, billing, public announcements, and community engagement functionalities.

Cooktrition Facts: Machine Learning-Based Recipe Recommendation

- Developed a React Native app with a machine learning-based recipe recommender and nutrition facts via Flask API, featuring dietary filters, allergy warnings, and real-time data storage with Firebase.

Personal Portfolio Website — React.js & Tailwind CSS

- Developed a React Native app with a machine learning-based recipe recommender and nutrition facts via Flask API, featuring dietary filters, allergy warnings, and real-time data storage with Firebase.

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, Raspberry pi4, Google cloud, Apache, MySQL and MongoDB
- Machine Learning : YOLOv8, OpenCV, TensorFlow (basic), scikit-learn (basic), pytsx3 and Labellmg

EDUCATION

Bachelor of Science in Computer Science

Aug 2021 - June 2025

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