

DIANE SOPHIA G. FUENTES

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Computer Science graduate (Cum Laude) with experience in full-stack development, machine learning, and responsive web/mobile applications. Proven ability to deliver scalable solutions through freelance, internship, and academic projects. Passionate about solving real-world problems and continuous learning.

TECHNOLOGY STACK

- **Languages** : Java, C, C#, JavaScript, PHP, SQL and Python
- **Frameworks & Libraries**: React, Expo(React Native), Laravel, Next.js, ASP.NET, Node.js, Express, bootstrap, Tailwind CSS, and Vite
- **Tools & Platforms**: Git, Firebase, Figma, Raspberry pi4, Google cloud, Supabase, MySQL and MongoDB
- **Machine Learning** : YOLOv8, OpenCV, TensorFlow (basic), scikit-learn (basic), pytsx3 and Labellmg

WORK EXPERIENCE

Freelance Full Stack Developer – Mini Marketplace July, 2025

- Built a mini marketplace using React, Next.js, and Supabase, allowing users to create, browse, and search product listings with images and category filters. Designed a responsive UI with Tailwind CSS and Magic UI pre-built components.

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.

EDUCATION

Bachelor of Science in Computer Science

Aug 2021 - June 2025

University of Cebu - Main Campus

- **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.

ACHIEVEMENTS

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

AFFILIATION AND VOLUNTEERING

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| • 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 |