Alyanna Mickaela B. Olviga

Cavite, PH | Phone: +63 918 467 4622 | olviga.am@gmail.com |[LinkedIn](#) |[Portfolio](#)

EDUCATION

DE LA SALLE UNIVERSITY - DASMARINAS Cavite, PH
Bachelor of Science in Computer Science Specialization in Intelligent System 2022-2026
Cumulative GPA: 3.70/4.0

PROJECTS

WakeUp Call: SLEEP HEALTH APNEA RISK PREDICTION USING LIGHTGBM May 2025
WITH FEATURE ENGINEERING
- Developed a web-based screening tool using LightGBM to predict sleep apnea risk from non-invasive inputs (e.g., BMI, snoring frequency, fatigue).
- Built the frontend using HTML and CSS, and deployed the backend with Flask for lightweight, accessible use in low-resource settings.
- Trained on open-source datasets and delivered real-time risk assessments to promote early intervention.

LSTorM: PREDICTIVE RESOURCE ALLOCATION FOR TYPHOON DISASTER RESPONSE Dec 2024
USING LONG SHORT-TERM MEMORY (LSTM) IN DASMARINAS
- Developed LSTorM, an LSTM-based system for optimizing typhoon disaster response.
- Integrated live weather, demographic, and topographical data for resource allocation.
- Built a Streamlit web app for real-time resource visualization.

AIRLINE PROTOTYPE Dec 2023
- Developed a high-fidelity airline reservation system prototype using Figma, featuring two user roles: passengers for managing bookings, and admins for managing flights.

PROFESSIONAL EXPERIENCE

DLSU-D COMPUTER SCIENCE PROGRAM COUNCIL Cavite, PH
Public Relations Officer - Internal Aug 2024 - May 2025
- Spearheaded planning and promotion of college events and coding competitions.
- Managed internal communications and disseminated announcements to students and faculty.

DE LA SALLE UNIVERSITY - DASMARINAS Cavite, PH
Student Assistant Aug 2022 - Present
- Designed publication materials and suggested event activities.
- Processed and organized financial receipts of the Accounting Office of the university.

ACTIVITIES

ROBOTICS WORKSHOP Cavite, PH
Program Officer Nov 2024
- Enhanced program engagement by organizing and facilitating a Robotics Workshop using Arduino kits.
- Streamlined event execution through effective planning, coordination, and hands-on activity management.

CODEYSSEY Cavite, PH
Project Head Nov - Dec 2024
- Boosted student engagement by organizing monthly online coding challenges.
- Ensured smooth execution by coordinating with instructors and guiding committees.

RELEVANT SKILLS

Languages & Frameworks: Python, Java, HTML, CSS, JavaScript
Technologies: Figma, Visual Studio Code, Pycharm, IntelliJ, Netbeans, Microsoft Office, Google Productivity Apps, Canva
Professional Skills: Communication, Adaptability, Time Management, Collaboration, Organization

SEMINARS AND CERTIFICATIONS

- **Introduction to GitHub Seminar (May 2024)** - DLSU-D Computer Science and Information Technology Program Council
- **Intelligent System Track Seminar (March 2024)** - DLSU-D Computer Science and Information Technology Program Council
- **Test of English For International Communication (B2 Level)** - Educational Testing Services (Aug 2024)