

# Niño D. Pabellano

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## EDUCATION

**Manuel S. Enverga University Foundation**

**Lucena City, Quezon**

Bachelor's of Science in Computer Science

Graduation: June 2026

- GWA: 1.42 | Dean's Lister, AY 2022–2026 | College Scholar, AY 2023–2026
- Relevant Coursework: Data Structures & Algorithms, Networks & Communication, Operating Systems, Information Assurance & Security, Software Engineering, Database Systems, Cloud Computing

## PROJECTS

- **Real-Time Filipino Sign Language Translator** – Developed a CNN deep learning model using Python and OpenCV for hand gesture recognition, translating FSL into text with 88% accuracy and 30% faster processing time.
- **Comet – Service-Matching Mobile App** – Built a cross-platform mobile app using Flutter and Firebase, integrating geolocation services, secure payment gateways, and RESTful APIs, achieving seamless user experience.
- **AutoCart – Subscription E-Commerce Platform** – Designed a mobile app architecture implementing responsive UI/UX design, database integration, and agile development principles, reducing onboarding time by 20%.
- **Electricity Consumption Forecasting** – Built a SARIMA time series model in R to predict monthly electricity demand; performed data preprocessing, feature engineering, and model evaluation, improving forecast accuracy by 15%.

## TRAININGS & CERTIFICATES

- **Cisco Networking Basics**, 2023 – IP addressing, hardware configuration, troubleshooting
- **Blockchain Development Training**, DEVCON PH 2024 – ICP & DApp development
- **Power BI Workshop**, Campus DEVCON 2025 – Data analytics & visualization
- **ASEAN Data Science Explorers**, 2025 – Data visualization and storytelling
- **Coursera Certificates** – Programming Languages I; R Programming; The Data Scientist's Toolbox; Supervised Machine Learning (Regression); Specialized Models: Time Series & Survival Analysis

## SKILLS

- **Programming & Development:** Python, R, Java, C/C++, SQL, JavaScript, Flutter, Blockchain (DApps), REST APIs
- **Data Science & Analytics:** Machine learning, predictive modeling, time series forecasting, statistical analysis, data cleaning, visualization (Power BI, Tableau, R)
- **Software Development:** Computer vision (CNNs), UI/UX design, cross-platform app development, database integration, agile methodology
- **Tools & Platforms:** Git/GitHub, Jupyter Notebook, VS Code, Office 365, Linux, networking fundamentals, cloud services
- **Deep Learning:** CNNs, RNNs, LSTMs, Transformers, Keras, TensorFlow Lite
- **Time Series Forecasting:** ARIMA/SARIMA, StatsModels, Prophet
- **Languages:** Filipino (Native), English (Fluent)

## LEADERSHIP & ORGANIZATIONAL INVOLVEMENT

**MSEUF Association of Multimedia Artists and Technologists**

Technical Committee, 2022 - Present

- Coordinated technical workshops and events for the department.
- Provided guidance to members, improving project and event execution.
- Participated in organizational planning and decision-making.

## **Virus Hunt Competition – Cyber Fest, 2024**

### **Team Leader**

- Led a 5-member team to 2nd place in a department-wide cybersecurity challenge
- Focused on malware analysis, virus detection, and threat mitigation
- Implemented workflow improvements, reducing task completion time by 25%