

KIANN A. PEÑAREDONDO

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EDUCATION

Pamantasan ng Lungsod ng Maynila Bachelor of Science in Information Technology	September 2021 - October 2025
Manuel A. Roxas High School Information and Communications Technology Senior High School	June 2019 - March 2021

WORK EXPERIENCE

Electronic Data Processing Services - Office of the Mayor Manila Operations Associate - Internship <ul style="list-style-type: none">Created a Daily Time Record (DTR) application, provided technical assistance for Go! Manila app users, and delivered daily customer service.	February - April 2025
Public Employment Service Office - City of Manila LGU Representative - Senior Payout <ul style="list-style-type: none">Assisted the Barangay Council in facilitating the distribution of senior citizen allowance.	December 2024 - January 2025
Worldbex - World Bazaar Festival (ABS-CBN Foundation) Event Staff Assistant <ul style="list-style-type: none">Checked the event booth setup to ensure it was completed on time and handled ticket verification.	December 2024

PROJECTS

Daily Time Record Application System Developer and Tester <p>Developed a desktop application used by Electronic Data Processing Services to automate the conversion of .dat files—generated from biometric fingerprint scanners—into organized Excel-based Daily Time Records. Verified accuracy of generated Excel reports and ensured data integrity for employee logs. Key features include: 1. Automated file conversion: Transforms raw .dat files into structured Excel sheets. 2. DTR report generation: Displays complete logs of time-ins, time-outs, and absences. 3. Employee summaries: Generates a summary sheet of all employees' attendance data. 4. Individual employee reports: Creates separate sheets per employee for detailed tracking. 5. User interface: Designed a desktop GUI using Tkinter for ease of use by non-technical staff.</p> Languages and Technologies Used: 1. Frontend & Backend: Python (Tkinter) 2. Database: SQLite for employee and attendance data storage 3. Functionality: File parsing, data handling, and Excel file generation with formatting	February - April 2025
EmoShown — AI-POWERED EMOTIONAL WELLNESS HUB WITH SENTIMENT ANALYSIS, ANOMALY DETECTION, AND COLLABORATIVE FILTERING Thesis and System Developer, Tester, and Author <p>Developed EmoShown, a mobile application aimed at enhancing emotional wellness, and assisted in evaluating the emotional interpretation accuracy of AI-driven features such as: 1. Sentiment analysis using the VADER algorithm for emotional state interpretation. 2. Anomaly detection using Isolation Forest for identifying deviations in emotional patterns. 3. Collaborative filtering with matrix factorization for personalized activity recommendations.</p> Languages and Technologies Used: 1. Frontend: React Native 2. Backend: Python (Flask) 3. Database: Firebase Firestore for structured data, Firebase Storage for media files 4. AI Models: VADER for sentiment analysis, Isolation Forest for anomaly detection, and collaborative filtering with matrix factorization	December 2024
Presentor - 2024 International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA) - Cybernetics and Data Science	

Developed BiyaHero, a ride-sharing mobile application aimed at providing seamless and efficient transportation services through key features such as:

- 1.Real-time ride requests and driver matching.
- 2.GPS tracking for drivers and users.
- 3.User authentication and profile management.
- 4.Payment gateway integration.
- 5.Admin panel for managing drivers and users.

Languages and Technologies Used:

- 1.Frontend and Backend: C#, .NET MAUI
- 2.Database: SQLite & Firebase
- 3.Integration: Google Maps API for real-time location tracking

Developed GlamTech, a web-based system aimed at enhancing beauty salon operations through AI-powered features such as:

- 1.AI-powered booking system using decision tree algorithms to optimize staff-client matching.
- 2.Demand forecasting using ARIMA for efficient resource allocation and scheduling.
- 3.Systemized logbook and analytics for tracking performance, sales, and commissions.

Languages and Technologies Used:

- 1.Frontend: JavaScript, HTML/CSS
- 2.Backend: PHP, Python
- 3.Database: MySQL
- 4.Machine Learning Models: Decision Tree for booking optimization and ARIMA for demand forecasting

Build and design a SumoBot, a small, autonomous robot created for robotic sumo wrestling matches. It uses sensors, motors, and programming to detect its opponent and push it out of the circular ring.

- Won the Best in Design

PUBLICATIONS

Peñaredondo, K., Camu, J., Centeno, C., Mercado, M. A., Agustin, V., & Gonzales, M. G. (2024). EmoShown: AI-powered emotional wellness hub with sentiment analysis, anomaly detection, and collaborative filtering. In 2024 International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA) (pp. 954–959). IEEE. <https://doi.org/10.1109/ICICYTA64807.2024.10912919>

SKILLS

- Computer Literate
- Skilled in Microsoft Office applications: Word, Excel, and PowerPoint.
- Proficient in Google Workspace tools: Docs, Sheets, and Slides.
- Experienced in front-end and back-end development.
- UI/UX design.
- Fluent in English and Filipino communication.
- Strong team collaboration abilities.
- Proficient in RJ45 wiring