Kean Louis R. Rosales

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Accomplished Computer Science student and DLSU HackerCup 2025 Champion with a robust background in cybersecurity, software development, and technical instruction. Proven experience developing full-stack applications and automation solutions for international clients, and teaching programming and robotics concepts as a Freelance Instructor. $(ISC)^2$ Certified and skilled in Python, C++, and React, with a passion for building innovative technology, from a Messenger-based POS system to an award-winning assistive communication glove.

Education

De La Salle University **Malate, Manila**
Bachelor of Science in Computer Science Major in Network and Information Security
Thesis: Exploring Real-Time Automated Threat Detection and Response Against Ransomware Attacks using Software Defined Networking

Experience

Philippine Coding Camp
Freelance Instructor | Remote

- Taught foundational and advanced concepts in Programming, Web Development, and Robotics to a diverse range of students.
- Developed curriculum materials, led hands-on coding sessions, and provided personalized mentorship to help students achieve their learning objectives.

Freelance Developer and Automation Specialist | Remote

- **Hunter Digital PH** (Philippines)
    - Engineered and deployed custom websites for multiple clients using React and Node.js.
- **Cariona** (Connecticut, USA)
    - Designed and implemented Python scripts to automate manual data processing and workflow tasks.
- **Carbon** (Connecticut, USA)
    - Provided video editing services for social media reels, delivering high-quality content that adhered to client brand specifications.

The LaSallian
Sports Writer

- Authored numerous articles on collegiate sports, honing exceptional written communication and storytelling skills.

Awards and Competitions

- **Champion |** DLSU Hackercup 2025
- **CHAMPION** | DLSU CTF 2025
- **Top 5 Finalist |** Tenext.ai Codebreak 2.0
- **3rd Place |** FlutterFlow Development Group Manila Hackathon
- **4th Place |** SpringBoards hack-it
- **Special Awardee |** KMC Solutions Hackathon
- **1st Place Winner |** Regional Science and Technology Fair
- **1st Place Winner |** Divisional Science and Technology Fair

Technical Projects

KitaKita

- Engineered a Champion-winning Point-of-Sale (POS) system for small neighborhood stores that operates entirely within Facebook Messenger.

Neosolutions

- Built a Top 5 Finalist full-stack, custom ticketing and support system tailored to the specific operational needs of Tenext.ai using React and Node.js.

Procrash

- Designed and built a 3rd Place-winning gamified to-do list mobile application aimed at combating procrastination by turning tasks into RPG-style quests.

Kachingko

- Developed a 4th Place-winning mobile financial management app that uses Optical Character Recognition (OCR) to automatically scan, categorize, and report expenses from receipts.

Talento

- Created a Special Award-winning job-searching platform that reimagines the resume as short-form video, allowing HR managers to screen candidates through a TikTok-style interface.

FiMO - Assistive Communication Glove

- Designed and built "FiMO," a smart glove that translates finger movements into audible speech, empowering patients with severe speech impairments to communicate verbally.
- Engineered the device to recognize specific gestures and convert them into commands for an integrated text-to-speech AI, earning 1st Place at both Divisional and Regional Science Fairs.

Skills & Interests

Technical:

- **Programming & Development:** Python, C++, C, React, Node.js, HTML/CSS, Git
- **Security & Networking:** Kali Linux, Wireshark, Nmap, Digital Forensics, Vulnerability Assessment
- **Instruction & Communication:** Curriculum Development, Technical Mentorship, Public Speaking, Written Communication
- **Hardware & Robotics:** Sensor Integration, Gesture Recognition principles, Assistive Technology Design

Language: English, Tagalog

Certifications

- **C5W-100 Introduction to Digital Forensics**