John Michael R. Reyes

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Education

National University   Lipa City, Batangas
BS in Computer Science, GWA: 3.49/4.00   2022 - Present
Relevant Coursework: Systems Programming, Data Structures and Algorithms, Advanced Machine Learning, Deep Learning, Software Engineering
iNUvators member, Deans Lister, TOEIC Exam Score: 885

APEC Schools (SHS)   Lipa City, Batangas
Science, Technology, Engineering and Mathematics   2019 – 2021
Graduated with Honors and High Merit Award

Tech Skills and Projects

Programming: Java, JavaScript, Python, MySQL   **Frameworks:** React, Django, Tensorflow, Keras

Legal Aid at Your Access (LAYA): (APPCON Submission)
A Multilingual conversational AI for Philippine law, focused on data collection, NLPpreprocessing, and model training for automated legal assistance. Submitted for publication (Data in Brief).

NPK Deficiency Detector in Bitter Gourd Leaves: (Software Engineering)
A Deep Learning CNN Model focused on distinguishing between Healthy, Nitrogen, Phosphorus and Potassium Deficient Bitter Gourd Plants. I was the lead A.I. Programmer and Data Scientist in the group.

Using KNN on predicting Enrollment Probability, for NU-Lipa Admission: (School Commission)
I was one of the handpicked individuals selected to develop this project, where I handled the data science and analytics processes and built the KNN model to predict the enrollment probability of student applicants based on their application data.

"Developing A Sensory Lexicon for Kapeng Barako: A Hybrid Approach Combining CNN-Based Tree Identification and Traditional Coffee Cupping." A.K.A Barako Sense: (Thesis)
A Research revolving around the development of the first ever Sensory Lexicon for Kapeng Barako (*Coffea Liberica*) of Batangas, using Deep Learning and traditional coffee cupping. I lead the team in building the machine learning model and in data science.

Advancements and Participations

CHED LAKAS   National University Lipa, October 25, 2023
Certificate of Participation Holder
A conference for computing educators, researchers, and professionals in the Philippines and nearby countries.

APPCON 2023   National University Lipa, Oct. 2023 – April 2024
Represented NU-Lipa as part of 'iNUvators' Nationwide
Made "LAYA", an AI application in terms of the theme "A web or mobile application to address social issues in the Philippines"

24th Philippine Computing Science Congress   De La Salle Laguna, May 9-11, 2024
organized by the Computing Society of the Philippines to enable local and neighboring computing educators, researchers, information and communications technology (ICT) professionals, and students to interact and share their work in computing, computer science, computational science, and ICT.

Base Build Calabarzon   National University Lipa, September 10, 2025
A seminar for blockchain development, within a day of hands-on, learning, collaboration and on chain creation.

Certifications

IC3 Digital Literacy Global Standard Six – Certiport
Information Technology Specialist: Python – Certiport
Machine Learning w/ Python - FreeCodeCamp