KENYI STIWAR REYES DE LAMA

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Eighth -semester student of Mechatronics Engineering at the University of Engineering and Technology (UTEC). Focused on machine learning, reinforcement learning, and large language models (LLMs) applied to autonomous and robotic systems. My professional goal is to contribute to the country's technological advancement through the development of optimal systems and models that generate a positive impact on society.

EDUCATION

University of Engineering and Technology, Lima, Peru   **Aug 2022 - Present**
BE Mechatronics Engineering - Specialization
Honors/Awards: Academic scholarship PRONABEC BECA 18

TECHNICAL SKILLS AND CERTIFICATIONS

Programming and Machine Learning:

- Languages: Python, C++, C, VHDL, MATLAB.
- Certifications: Artificial Intelligence Fundamentals (IBM, 2025), Intro to Machine Learning (Kaggle, 2025).

Robotics Technology:

- Tools and Frameworks: ROS2, SLAM, Rviz, Urdf, Gazebo, MicroRos, Ubuntu.
- Certification: Programming of Robots with ROS (UNI - PIT, 2025)

Embedded Systems and Electronics:

- Microcontrollers: ESP32, Atmega, PSoC, Basys3 (FPGA), Arduino
- Software: KidCad, Psoc Creator, Microchip Studio.
- Certifications: Design and Manufacturing of PCBs (UNI - PIT, 2025), Hardware Design Course with FPGA (IEEE, 2023), Arduino Fundamentals (IEEE, 2022)

Mechanical Design and Drafting:

- Software: Fusion 360, Inventor
- Course: Engineering Drawing and Design (UTEC, 2024)

Engineering Control Technology:

- Software: TIA Portal, CODESYS
- Languages: Ladder, GRAFCET, Structured Text
- Courses: Automatic Control (UTEC, 2025), Process Control (UTEC, 2025)

Language Proficiency: Spanish (native), English (B1 certified TOEFL).

Additional Tools: Microsoft Office, organization tools, multimedia editing, graphic design, LaTeX, Github.

ORGANIZATION EXPERIENCE

NOVA - AEROESPACE, Lima, Peru   **Sept 2024 - Sept 2025**
Member of the Electronics Team

- Development and testing of the positioning system (GPS), including implementation on the NEO-6M GPS module and proper parsing of the NMEA protocol.
- Designed the PCB layout for the CubeSat (mini satellite), ensuring optimal distribution of electronic components.

EXTRACURRICULAR ACTIVITIES

Academic Mentor – Talentos en Acción Program (PRONABEC)   **Sept 2025 – Dec 2025**
Provided specialized academic mentorship to scholarship recipients of the "Talentos en Acción" program (PRONABEC) in key courses such as Mathematics and Numerical Methods, implementing personalized learning strategies to strengthen autonomy and ensure academic success.