

Iván Andrés Robles Rodríguez

Electronic Engineering Student | Software & Automation Developer

Santa Marta, Colombia (Open to relocation to Bogotá / Medellín)

Phone: +57 323 665 6639

Email: ivandres.rr@gmail.com

LinkedIn: linkedin.com/in/ivandresr | GitHub: github.com/ivandresr

Professional Summary

Final-year Electronic Engineering student with strong focus on software development, automation, and cybersecurity. Advanced experience in Python for data analysis and computer vision, combined with solid knowledge in Linux server administration and networking (CCNA certified). Proven leadership as Chair of IEEE Robotics and Automation Society (RAS), managing multidisciplinary teams and coordinating innovation projects. Passionate about solving real-world problems through data-driven solutions, automation tools, and scalable software systems.

Technical Skills

Programming Languages	Python (Pandas, OpenCV, Automation), R, JavaScript, SQL, C++
Technologies & Tools	Git, GitHub, Linux (Ubuntu Server), REST APIs, WordPress
Networking & Cybersecurity	Cisco CCNA, Junior Cybersecurity Analyst, Palo Alto Networks Certified
Data Analysis	Excel Advanced (Macros/VBA), Power BI, Statistical Modeling

Leadership Experience

Chair – IEEE Robotics and Automation Society (RAS) | Feb 2025 – Present

- Led multidisciplinary teams developing automation and AI projects.
- Organized technical workshops and robotics training sessions.
- Coordinated participation in national robotics competitions.

Webmaster – IEEE Student Branch UNIMAGDALENA | Feb 2025 – Present

- Managed WordPress platforms ensuring high availability.
- Integrated APIs and improved SEO for academic visibility.

Academic Monitor – Electronics II | Feb 2025 – Dec 2025

- Mentored 70+ students in circuit analysis.
- Developed laboratory guides and supported simulation tools.

Projects

Computer Vision System for Logistics

Python / OpenCV model for automated license plate recognition and cloud data logging.

Linux Network Infrastructure Deployment

Configured DNS, DHCP, and HTTP services on Ubuntu Server environments.

IoT Environmental Monitoring System

Hardware and software system for real-time environmental data acquisition and remote visualization.

Education

Electronic Engineering – Universidad del Magdalena (10th Semester, Expected Graduation 2026)

Certifications

- CCNA: Introduction to Networks – Cisco Networking Academy
- Junior Cybersecurity Analyst – Cisco Networking Academy
- Certified Cybersecurity Apprentice – Palo Alto Networks
- Statistician with R – DataCamp

Languages

- Spanish — Native
- English — B2 (Professional Working Proficiency)