

Juan Pablo Sierra Useche

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Education

ITMO University , Master's in Information Security	Oct 2024 – Current
<ul style="list-style-type: none">Coursework: ML in Cybersecurity, Network Security, Cryptographic Protocols, Secure Multi-Agent SystemsResearch focus: Blockchain security, cryptoeconomic mechanism design, zero-knowledge proofs for privacy-preserving systemsExploring adversarial ML, secure AI model deployment, and privacy-preserving techniques in distributed systemsParticipating in university business accelerator programRemote management of Sybil SAS while pursuing studies	
Del Rosario University , Bachelor in Applied Mathematics and Computer Science	Aug 2019 – Nov 2023
<ul style="list-style-type: none">GPA: 4.34/5, Minor in AICoursework: Machine Learning, Computer Vision, NLP, Cryptography	

Experience

CEO & Co-Founder , Sybil SAS – Bogotá, Colombia (Remote)	Aug 2023 – Nov 2025
<ul style="list-style-type: none">Built AI automation platform using LangChain/LangGraph, N8N, and MLflow for healthcare sectorImplemented vector database solutions with ChromaDB for semantic searchDeployed production ML pipelines with Apache Airflow and MinIODeveloped information security solutions for Colombian Navy	
Vulnerability Management Hunter , SLB – Bogotá, Colombia	May 2024 – Aug 2024
<ul style="list-style-type: none">Automated vulnerability scanning and severity assessment using QualysDelivered mitigation playbooks for critical vulnerabilities	
Cyber SOC Analyst , SLB – Bogotá, Colombia	Jan 2023 – May 2024
<ul style="list-style-type: none">Conducted malware analysis and incident response for SOCPredicted and developed response for emerging attack vectors (QR phishing)	

Publications

Projects

Snoo.py - DevSavant Hackathon Finalist	github.com/cbr4l0k/snoo.py
<ul style="list-style-type: none">LLM-powered documentation tool with 3D analysis for <\$2 USDFinalist in Colombia's first Generative AI Hackathon	

Technologies

Languages: Python, Rust, TypeScript, Bash, C++

AI/ML/DC: TensorFlow, PyTorch, HuggingFace, LangChain, LangGraph, scikit-learn

MLOps & Automation: MLflow, Apache Airflow, N8N, ChromaDB, MinIO

Security Tools: Qualys, Nessus, Splunk, Metasploit, Wireshark, BurpSuite

Infrastructure: Docker, PostgreSQL, MongoDB, Git, Azure, GCP, RESTful APIs