

Ulises Millan

ML Engineer • AI Research • Fullstack Developer

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EXPERIENCE

ML Engineer	Beecker — Cuernavaca, MX	Sep 2023 – Present
– Built Slack video-call bots with Recall AI + RTMP, live notes and templates – Enterprise RAG chatbot with PostgreSQL, Linear MCP, CI/CD on Azure – Document validation API using Playwright (SAT, INE government sites) – Fullstack webapps: Next.js, React, shadcn/ui, FastAPI, Flask – Production LLM integration: OpenAI, Claude, Gemini, OpenRouter – Agent orchestration with LangGraph, RAG, MCP; RPA with pywinauto and Playwright – Azure Pipelines, IaC, Docker, CI/CD; technical advisory to the team		
AI Developer / Researcher	CENIDET — Cuernavaca, MX	Sep 2023 – Oct 2025
– Real vs. GAN-generated face classifier with >98% accuracy across 7+ tests – Data management, experimental design, CV model validation with PyTorch		
Visiting AI Researcher	Universidade da Coruna — Spain	Feb – May 2025
– Glaucoma classifier on retinographies: 84% → 90% accuracy improvement – International collaboration, preprocessing and hyperparameter optimization		
RPA Support Monitor	Beecker — Cuernavaca, MX	May – Jun 2023
– Production RPA bot monitoring and support, incident resolution and scripting		

EDUCATION

M.Sc. in Computational Sciences

CENIDET — Cuernavaca, MX
October 2025

B.Eng. Mechatronics (Automation)

UTEZ — Emiliano Zapata, MX
August 2019 – April 2023

TECHNICAL STACK

Languages	Python, JavaScript/TypeScript, SQL, C++, R
ML / AI	PyTorch, Scikit-Learn, Pandas, NumPy, OpenCV, LangGraph, RAG, MCP
LLMs	OpenAI, Anthropic Claude, Google Gemini, OpenRouter, fine-tuning
Backend	FastAPI, Flask, uvicorn, Node.js
Frontend	Next.js, React, shadcn/ui
Cloud / DevOps	Azure (Pipelines, IaC, Containers), Docker, CI/CD, Git
Databases	PostgreSQL (pgvector), MySQL, MongoDB, Chroma
Automation	Playwright, Selenium, pywinauto, pyautogui
Domains	AI Agents, Computer Vision, Deep Learning, NLP, RPA, MCP

LANGUAGES

- Spanish — Native
 - English — B2 (reading, writing, daily consumption)
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