

FRANCESCO GIANNICOLA

Cosenza, Italy / Europe | francescogiannicola1@gmail.com | github.com/metaforismo | linkedin.com/in/francescogiannicola | francescogiannicola.com

EDUCATION

Universita della Calabria - Cosenza, Italy

Sep 2024 - Present

BSc in Computer Science & Artificial Intelligence; expected graduation 2027

- Active member of the teaching quality committee; coursework in AI systems, software engineering, algorithms, and reproducible technical work.

PROJECTS & RESEARCH

Jurevo

2026 - Present

Full-stack AI legal workspace for Italian law firms | jurevo.it

- Founded and built a production AI legal workspace end to end: authenticated web app, backend API, native Expo mobile app, document workflows, billing, storage, and LLM provider routing in a TypeScript monorepo.
- Owned backend-managed model credentials, Supabase auth, private R2/S3 storage, Stripe billing, workflow packs, CI checks, assistant drafting, tabular review, and document editing.

TracePilot

Reliability studio for computer-use agents | github.com/metaforismo/tracepilot

- Built an open-source eval and reliability harness for browser agents: trace replay, step-level verification, stuck-loop detection, prompt-injection tests, OpenAI Responses and Anthropic Computer Use adapters, readiness gate, and SHA-256 evidence packs.

Limes Axis & limen

Agent infrastructure and orchestration primitives | github.com/Limes-Labs

- Built a self-hostable AI control plane for typed, permissioned, auditable human/agent workflows, plus orchestration primitives for routing tasks across models, roles, workflows, and LoRA adapters.

TarsGPT

Physical AI agent | github.com/metaforismo/TarsGPT

- Designed and built a TARS-inspired Raspberry Pi 5 robot with streaming LLM brain, tool-calling skills, balance-first gait, vision, memory, timers, music, home automation, and simulation mode.

The Broadcast Ceiling / Learning Signal Density

2026

RL research artifact, DOI: 10.5281/zenodo.20970205 | zenodo.org/records/20970205

- Built a reproducible long-horizon RL credit-assignment artifact with finite-MDP audits, exact-gradient experiments, sequence-policy audits, 51 passing tests, a 32-page LaTeX paper, Zenodo DOI, and SHA-256 manifest.

ML Fundamentals

From-scratch implementations | github.com/metaforismo

- Reimplemented GPT-2, Stable Diffusion, and an open-source AlphaEvolve from scratch to build first-principles understanding of model architectures and training loops.

EXPERIENCE & LEADERSHIP

Founder & Content Lead | Francesco Tech

Mar 2020 - Present

- Built Italian tech media channels on Instagram and TikTok to 70,000+ followers and 4M+ views, shipping content continuously and iterating on audience feedback.

Community Volunteer | ENSA & ASS.A.P.L.I.

2015 - Present

- Supported environmental, civil-protection, social-solidarity, road-safety, and public-awareness initiatives, including pediatric-ward gift delivery and safe-driving education.

TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, Swift, SQL, Solidity, Rust basics, HTML/CSS

AI/ML: LLM agents, agent orchestration, RAG, evals, RL experiments, PyTorch basics, verifier workflows

Frontend: React, Next.js, Tailwind CSS, Expo, React Native, Electron

Backend/Data: Node.js, Express, FastAPI, Supabase, PostgreSQL, REST APIs, Cloudflare R2, Stripe

Tools: Git, Docker, Linux, GitHub Actions, Playwright, LaTeX, Vercel, Cloudflare

AWARDS & LANGUAGES

- OII Italian Olympiad in Informatics: participant
- Languages: Italian (native), English (intermediate), French (basic), Spanish (basic)