

Mohammad Nouri Zadeh (Momo)

AI & Software Engineer (Python)

Open to internships and junior roles – Milan, Pavia or remote. Based in Pavia, Italy, 25 minutes by train from Milan.

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SUMMARY

AI & software engineer (Python) and Artificial Intelligence student at the University of Pavia. I build with AI coding agents: I set the goals and constraints, the agents write the code, and I run the result in production and check whether it is right.

PROJECTS

Lead-finding pipeline, audited for truth

Sep 2026

Python · Selenium + headless Chrome · requests · SQLite · OpenStreetMap open data

- Built with AI coding agents a pipeline that finds professional practices in Milan, Monza and Pavia from OpenStreetMap data and checks each website the way a visitor would (www and bare, https and http; 390 px phone emulation; certificate; DNS): **244 practices found, 147 listing a website (23 Sep 2026)**.
- Commissioned four independent AI audits of my own system (truth, security, operations, business); the truth audit found **at least 12 of 50 site-based claims false or unsupported (23 Sep 2026)**.
- Acted on the findings: root causes (a desktop-sized window, bot-challenge pages measured as the site, one address tried before calling a site "down", stale findings) were fixed and shipped as rules with tests, taking **test functions from 27 to 60 (22–23 Sep 2026)**.
- Had every remaining claim re-checked from a second vantage point (a connection in Italy and a real browser, plus agents asked to refute each "no website" claim), which overturned **3 of 6 "site down", 3 of 16 "does not fit a phone" and 2 of 7 "no website" claims (after the 23 Sep 2026 audit)**.
- Kept a human in the loop: nothing is sent automatically, and each of the **15 messages now queued rests on a claim confirmed from two vantage points (23 Sep 2026)**.

Personal AI assistant, in production 24/7

Mar 2026 – present

Python · SQLite · Telegram Bot API · Gmail via Composio · systemd · Caddy · Cloudflare DNS API · Ubuntu 24.04

- Moved my own Python project (first commit 18 Mar 2026) to a rented Linux server (2 vCPU, 4 GB) and rebuilt it with AI coding agents as systemd services that restart on failure and alert me on Telegram: **in production since 20 Sep 2026**.
- Specified one self-hosted model router for every model call, bound to localhost because it holds credentials, falling back across Claude, GPT, Groq and Grok: **224 of 277 model calls (81%) served by a free tier (20–22 Sep 2026)**.
- Run a Telegram bot that understands plain Italian and English (intent routing on a language model), an 08:00 Gmail briefing, a 03:00 lead scan and nightly backups kept 7 days: **19 Python modules, 60 unit tests, 59 commits (23 Sep 2026)**.
- Use its phone dashboard (installable PWA) daily on Android: one-time 30-minute pairing code from the bot (hashed, 5 tries), HttpOnly + Secure + SameSite=Strict cookie, CSRF header on every write; **on the system in production since 20 Sep 2026**.

switchers.events – website for a mobile cocktail bar in Pavia

Sep 2026

HTML · CSS · JavaScript · SEO + structured data · web manifest · switchers.events

- Designed, built and host a bilingual (Italian and English) site for weddings, private parties and corporate events, installable with an offline page: **446 unique visitors, 1,118 page views, 21 WhatsApp contact clicks and 30 visits from Google (10–23 Sep 2026)**.

EDUCATION

Bachelor in Artificial Intelligence (BAI) – University of Pavia, Italy

Expected Sep 2027

Coursework includes: Machine Learning & Deep Learning, Computer Vision, Data Mining, Statistical Signal Processing, Statistical Modelling, Fuzzy Systems, Algorithms & Data Structures, Linear Algebra, Cognitive Psychology.

SKILLS

AI and LLM systems: building with AI coding agents (Claude Code with Claude Opus; GPT-6 Astra for design); model routing with fallback (Claude, GPT, Groq, Grok); intent routing; AI audits and second-vantage re-checks of output.

Backend and automation: Python, SQLite, Selenium + headless Chrome, requests, standard-library unit tests, Telegram Bot API, Gmail via Composio, OpenStreetMap open data.

Operations: Linux (Ubuntu 24.04), systemd, Caddy (automatic HTTPS), Cloudflare DNS API, nightly backups, Telegram alerts.

Web: HTML, CSS, JavaScript, PWA, SEO and structured data, session cookies and CSRF defence.

LANGUAGES

Persian (native) · Italian (C1) · English (C1) · Spanish (basic)