



IBRAHIM ABID

AI Engineer | Python & Automation | AI Agents & LLM Applications

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SUMMARY

AI Engineer specializing in Python automation, LLM-powered applications, and AI agents. Experienced in building retrieval-augmented generation (RAG) systems, autonomous AI agents, and production SaaS platforms from the ground up, including backend architecture, authentication, and subscription billing integration. Comfortable owning a project end-to-end, from prototype through debugging real production issues.

SKILLS

- Python, FastAPI, Flask
- AI Agents & Agentic Workflows (CrewAI)
- LLM Integration (OpenAI, Gemini, OpenRouter)
- RAG Systems & Vector Search (FAISS)
- Prompt Engineering
- Web Scraping & Browser Automation
- Docker, Git/GitHub, CI/CD basics
- Supabase, PostgreSQL, Redis
- Next.js (applied, full-stack collaboration)
- REST API Design & Integration

EXPERIENCE

AI/ML Engineer | Skill2Success, Lahore, Pakistan | 2025 – Present

- Developed AI chatbots and automation systems to enhance user engagement and streamline support processes
- Built AI-powered web applications and integrated APIs and AI models into SaaS platforms
- Applied machine learning and NLP techniques to analyze data and derive actionable insights
- Created responsive, production-facing UI/UX interfaces for AI-driven tools

PROJECTS

LeadPilot AI — AI Lead Generation & Outreach SaaS

- Built a full-stack SaaS product (Next.js, FastAPI, Supabase, Lemon Squeezy) automating lead discovery and personalized cold email generation
- Implemented authentication, subscription billing with trial logic, and webhook-driven plan management
- Diagnosed and resolved real production issues: serverless connection pooling, CORS configuration, and email delivery rate limits

ColdMailAI — Agentic Cold Outreach Generator

- Built a multi-agent system (CrewAI) that researches a target company and generates personalized, research-backed cold emails automatically
- Added direct email sending, error handling, and a Streamlit interface for non-technical use

RAG Documentation Assistant — Built From Scratch

- Built a retrieval-augmented generation system without a framework: custom heading-based chunking, local embeddings, FAISS vector search, and LLM answer generation
- Evaluated retrieval accuracy against a baseline chunking strategy using a real test question set

EDUCATION & CERTIFICATIONS

- Some College (No Degree): Artificial Intelligence — International Standard School, Lahore, Pakistan
- Introduction to Generative AI Studio — Google Cloud, via Simplilearn
- AI & Machine Learning Engineer Certificate
- Python Essentials 1 & 2 — Cisco Networking Academy

LANGUAGES

Urdu — Native | English — Elementary (A2)