

Nikos Lefakis

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EDUCATION

University of Crete — BSc in Computer Science

2020 – 2025

Department of Computer Science · Heraklion, Crete · Degree Grade: 7.5 / 10

- **Thesis:** LensHub — Full-Stack Platform for Photography Equipment Exchange with Stolen Equipment Detection System (React.js, PHP, MySQL, Docker) · [GitHub Repo](#)

PROJECTS

Docveo — AI Document Q&A (RAG)

2026

- Full-stack LLM-powered RAG app — PDF extraction, recursive chunking, vector embeddings (Gemini), pgvector semantic search, streaming LLM generation (Groq / Llama 3.3 70B), history-aware query rewriting, source-grounded prompting to eliminate hallucinations. · [docveoai.vercel.app](#) · [GitHub](#)
- **Stack:** Next.js 16 App Router, TypeScript, LangChain, Supabase Auth (email + Google OAuth), pgvector (vector DB), Groq API, Gemini Embeddings API, Tailwind CSS v4, Vercel CI/CD — PWA, i18n (EN/GR), dark/light theme, per-user data isolation.

FormaRep — Full-Stack SaaS Fitness Platform

2026

- Built a production-ready SaaS platform featuring AI-powered workout planning (Gemini API), Stripe subscription billing, real-time nutrition tracking with macro analytics, and a Gym Sync trainer-to-member assignment system.
- **Stack:** Next.js 16 App Router, TypeScript, Prisma 5, PostgreSQL (Supabase), Tailwind CSS v4, Clerk Auth, Vercel — PWA-ready, IDOR-hardened. · [formarep.site](#)

E-Library Web Platform

2023

- Built a full-stack e-library with role-based access (admin, librarian, student, visitor) using HTML, JavaScript, AJAX, Java Servlets, REST APIs, and JSP, with integrated map visualisation APIs. · [GitHub Repo](#)

VOLUNTEERING

iGEM uniCRETE — Dry Lab Member

Nov 2022 – Oct 2023

International Genetically Engineered Machine (iGEM) Competition · Heraklion, Crete

- Contributed to an international synthetic biology competition team — designed and developed the official team website with strong emphasis on cross-disciplinary collaboration. · [2023.igem.wiki/unicrete](#)

SKILLS

- **AI & LLMs:** RAG pipelines, LangChain, LlamaIndex, OpenAI API, Gemini API, Groq API, pgvector, Prompt Engineering, AI Agents
- **Languages:** JavaScript, TypeScript, Python, Java, PHP, C, C++, R, MATLAB/Octave
- **Frontend:** React.js, Next.js 16 (App Router), Tailwind CSS v4, Framer Motion, Bootstrap, HTML/CSS, Figma
- **Backend:** Node.js, Next.js Server Actions, REST APIs, Prisma ORM, Clerk Authentication
- **Databases:** PostgreSQL (Supabase), MySQL
- **Cloud & DevOps:** Vercel, Docker, Git, GitHub, CI/CD (GitHub → Vercel)
- **Soft Skills:** Problem-solving, Adaptability, Teamwork & collaboration, Creativity, Customer communication, Multitasking, Attention to detail

WORK EXPERIENCE

Throughout my undergraduate studies, I worked part-time alongside my degree — building communication skills and adaptability in customer-facing environments.

Sales Consultant — Plaisio Computers

Mar 2025 – Aug 2025

Heraklion, Crete · 6 months

- **Primary duties involved** advising customers on technology products, preparing quotes, and managing pricing — consistently meeting sales targets.

Warehouse Associate — Duty Free Shops / Jumbo

Aug 2022 – Oct 2023

Heraklion, Crete · 6 months total

- **Primary responsibilities included** stock receiving, inventory organisation, and order fulfilment in high-volume retail environments.

MILITARY SERVICE

Hellenic Armed Forces — Secretary Specialist

2025 – 2026

Fulfilled · Heraklion, Crete

- **Primary responsibilities included** processing military documentation, recording disciplinary actions and leave approvals in the ESEP system, and maintaining accurate personnel files.

CERTIFICATIONS

- **Microsoft Azure Essentials** — Microsoft Press · **AI Fluency & Claude 101** — Anthropic · **Google Generative AI Fundamentals** — Google Cloud · 2026
- **Prompt Engineering for Developers** · **LangChain for LLM Development** · **Building Agentic RAG with LlamaIndex** — DeepLearning.AI · 2026

LANGUAGES

Greek — Native

English — B2 (certified) · C2 in progress