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📍 Thessaloniki

🏠 Greek

💻 github.com/karamousalidis

🌐 www.karamousalidis.com

Skills

Client communication

Performance tuning

Team collaboration

Analytical Thinking

IT skills

Agile Methodologies

CI/CD Pipelines

Version Control

Python

RESTful APIs

React.js

JavaScript

Certifications

Microsoft Certified: Azure AI Fundamentals

Getting Started with Git and GitHub (IBM)

Languages

Greek

English

Nikolaos Karamousalidis

MSc in Artificial Intelligence and Data Science student at the University of York with a BSc in Computer Science. My technical experience in Generative AI and Web Development supports my goal of advancing practical applications of AI in real-world contexts.

Work experience

Full Stack Developer October 2024
Municipality of Thessaloniki, Thessaloniki February 2025

- Contributed to the enhancement and continued development of PotiZo, an existing web-based platform for the Municipality of Thessaloniki
- Worked in a multinational student team to implement new features, fix bugs and improve user experience.
- Engaged in weekly meetings, to refine requirements and deliver incremental updates based on real-time feedback.

Education

MSc in Artificial Intelligence and Data Science October 2025
University of York, Europe Campus, Thessaloniki June 2026

- Relevant Modules: Big Data, Deep Learning, AI Ethics and Applications

BSc in Computer Science October 2022
University of York, Europe Campus, Thessaloniki July 2025

Grade: Class 2.i Honours

- Dissertation: Evaluating Generative AI Models for Logic Programming
- Relevant Modules: Machine Learning, Web Programming, Software Engineering

Publications

Performance of Large Language Models in Automatic Generation of Logic Programs October 2025
11th Balkan Conference in Informatics, Tirana

Conducted an experimental evaluation of various Large Language Models for automatic Prolog code generation within a multi-agent framework. Designed and tested agents responsible for problem understanding, code generation and evaluation using custom logic-programming metrics.

Personal Projects

AskMyPDF – Retrieval-Augmented PDF Question Answering App

Built a Retrieval Augmented Generation (RAG) web app using Streamlit that allows users to upload multiple PDF documents and query them in natural language. Implemented document parsing and chunking with LangChain, created embeddings via OpenAI and used FAISS for fast semantic search. Retrieved context is passed to an LLM to generate context-aware answers with conversational history support.