MARINA SAMPROVALAKI

AI ENGINEER

CONTACT

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- Athens, Greece

EDUCATION

M.Sc. by Research, Computer Science

Athens University of Economics
and Business
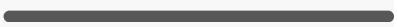
2023-2024

B.Sc. in Informatics

Athens University of Economics
and Business

2018-2022

LANGUAGES

English

PROFILE

AI Engineer with an MSc in Computer Science, specializing in multimodal generative AI, agent-based architectures, and large-scale LLM orchestration. Proven expertise in building production-grade RAG systems and researching cutting-edge vision-language models for scalable, real-world enterprise applications.

WORK EXPERIENCE

AI Enginner

Agile Actors   2024 - today

- LLM Orchestration: Developing multi-agent chatbots and stateful workflows using LangChain.
- RAG Pipelines: Implementing advanced document retrieval from multiple databases.
- Model Evaluation: Benchmarking LLM accuracy and faithfulness.

NLP Researcher

Athens University of Economics and Business   2023 - 2024

- Conducted research on Diagnostic Captioning, leveraging Multimodal Large Language Models to generate accurate and informative captions for medical images.
- Applied prompt engineering techniques to optimize model performance and enhance accuracy.
- Integrated Retrieval-Augmented Generation (RAG) to improve the relevance and quality of generated captions.

Junior Full Stack Engineer

HOMI Greece   2022 - 2023

- ML Modeling: Specialist in classification and regression for predictive tasks.
- AWS Cloud: Proficient in SageMaker for data storage, analysis, and deployment.
- Frontend: Skilled in React for building dynamic, modern user interfaces.
- Databases: Experienced with PostgreSQL (SQL) and MongoDB (NoSQL).
- Web APIs: Proficient in FastAPI for backend development and API integration.