

HASAN EL HUSSEINI

AI Engineer

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Professional Summary

AI Engineer with expertise in Large Language Models (LLMs), Generative AI, Machine Learning, Deep Learning, Data Engineering, Cloud Computing, and Software Development. M.S. in Computer Engineering (AI & Machine Learning) from Georgia Tech and B.E. in Computer & Communication Engineering from AUB. Author/co-author of 5 scientific publications and representative of Lebanon in AI, technology, leadership, entrepreneurship, and academic conferences across 17+ countries.

Education

Georgia Institute of Technology -United States (2023–2025) – M.S. Computer Engineering, AI & Machine Learning.

American University of Beirut (2018–2023) – B.E. Computer & Communication Engineering (Software Track), Minor in Business.

Professional Experience

AI Engineer | STC Saudi Arabia (Remote) | Sep 2025–Present

- Develop AI-powered enterprise solutions.
- Build LLM, RAG and automation workflows.
- Design model deployment and evaluation pipelines.

Coding Instructor & Research Assistant | American University of Beirut | Aug 2024–Sep 2025

- Taught Python programming to hundreds of students.
- Supported AI and engineering research projects.

Academic Consultant | Essay Writing Lebanon | Aug 2023–Present

Software Engineer | TWINE | Jun 2021–Jun 2023

Software Engineer | Bluering (BDD) | Jul 2022–Sep 2022

Web Developer | Perspectify | Sep 2021–Oct 2022

DevOps Engineer | Forward MENA | Oct 2020–Apr 2023

Technical Skills

Languages: Python, Java, C++, C#, JavaScript, TypeScript, SQL, VHDL

AI/ML: PyTorch, TensorFlow, Keras, Scikit-Learn, Hugging Face, Transformers, LangChain, LlamaIndex, OpenAI API, Anthropic API, RAG, Fine-Tuning, NLP, Computer Vision

Data: Pandas, NumPy, SciPy, XGBoost, LightGBM, CatBoost, OpenCV, FAISS, ChromaDB, Weaviate

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, Airflow, GitHub Actions, CI/CD

Web: React, Node.js, Spring Boot, Angular, FastAPI, Streamlit, Gradio

Leadership

AIIESEC in Georgia – President (2023–2024)

AIIESEC in Beirut – President (2021–2022)

National Director of Business Development & Talent Management – AIIESEC in Lebanon

President – DDD Community (2024–2026)

Publications

1. AraSTEM: A Native Arabic Multiple Choice Question Benchmark for Evaluating LLMs Knowledge in STEM Subjects (2024)
2. Legal Liability Facing COVID-19 in Dentistry (2021)
3. Choice of Endodontic Fiber Posts and its Influence on Dental Malpractice (2017)
4. Correlation of Oral, Genetic, and Radiological Parameters in Human Identification (2016)
5. Oral and Craniofacial Clinical Signs Associated to Genetic Conditions in Human Identification (2015)

Achievements

- 5 scientific publications
- 25+ citations and 500+ reads
- Represented Lebanon in AI, technology, entrepreneurship, leadership, and academic conferences across 17+ countries
- Trained hundreds of students in programming and technology
- Led national and international organizations across Lebanon and Georgia