

Tony Sahyoun

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SUMMARY

Aspiring AI engineer with a strong foundation in computer and communication engineering, focused on building intelligent applications using modern AI technologies. Currently developing skills in LLMs, RAG, prompt engineering, and AI APIs. Passionate about designing intelligent systems and applying AI to solve real-world problems.

EDUCATION

Bachelor of Engineering in Computer and Communication Engineering(ABET accredited) (GPA 3.15)

08/2021 – 12/2025
Lebanon

Notre Dame University-Louaizy (NECHE accredited) 🌐

PROFESSIONAL EXPERIENCE

FPGA Engineer

06/2025 – 07/2025
Lebanon

MultiLane 🌐

Completed an 8-week internship working with Xilinx Zynq devices on FPGA-based designs. Developed and tested PWM generators, DMA transfers, BRAM-based systems, custom AXI-Stream IP, and a frequency counter project, gaining experience in Verilog, C programming, and hardware–software integration.

CERTIFICATES

Become an AI Engineer 🌐

03/2026 – Present
Lebanon

NammiSkills & LinkedIn Learning

Key Skills & Relevant Experience:

- Foundational knowledge of LLMs, Transformer architecture, and Generative AI systems
- Understanding of RAG workflows, vector databases (e.g., Milvus), and prompt engineering techniques
- Familiarity with fine-tuning concepts (LoRA, transfer learning) and AI application development using APIs
- Exposure to Python-based data analysis, preprocessing, and basic NLP tasks (summarization, sentiment analysis)
- Understanding of GenAIOps concepts and AI system lifecycle (development, deployment, monitoring)

SKILLS

AI & Machine Learning

- LLMs, RAG, Prompt Engineering, Fine-Tuning, NLP
- Vector Databases, Embeddings

Programming

- Python (Data Science, AI development)
- C++, Java, C, Verilog

Tools and Technologies

GitHub Codespaces, Streamlit, AI APIs, Milvus, GitHub, Docker

Team work and Collaboration

- IEEE society: Active member
- Caritas: Volunteer
- MIDADE: Active member and yearly children's camp organizer supporting life skills activities for children

Communication skills

- Languages:
Arabic (native), English (Professional working proficiency), French (elementary proficiency)