

ISSA AL KADRI

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EDUCATION

Lebanese American University, Beirut, Lebanon
Bachelor of Science in Computer Science

Sep 2022-June 2025

As a computer science graduate, I combine strong technical expertise with a deep curiosity for innovation. I've built a solid foundation in software development and problem-solving. My growing specialization in data science and machine learning drives me to design intelligent systems that transform data into real-world impact. I am passionate about building scalable AI solutions that bridge technology and meaningful outcomes

TECHNICAL SKILLS

- **Programming:** Python, Java, C, SQL, JavaScript
- **Machine Learning & AI:** PyTorch, TensorFlow, Scikit-learn, RAG, FAISS, LangChain, OpenAI APIs
- **Backend & Full Stack:** Flask, FastAPI, Node.js, React
- **Tools & Platforms:** Git, Docker, GitHub Actions, Hugging Face, Google Colab, Power BI

LANGUAGES

- **Arabic** (Native/Fluent)
- **English** (Fluent)

CERTIFICATIONS

Artificial Intelligence A–Z 2025: Agentic AI, GenAI & Reinforcement Learning — June 2025

- Covered AI fundamentals, NLP, neural networks, generative and agentic AI, and reinforcement learning using Python, PyTorch, LLMs, and OpenAI Gym.

The Data Science Course: Complete Data Science Bootcamp 2025 — Jan 2026

- Covered Python, statistics, data visualization (Matplotlib, Seaborn), and machine learning using Scikit-learn through hands-on projects

PROFESSIONAL EXPERIENCE

Aralexts — AI Software Engineer (Part time -Remote)

Jan 2026 – Present

- Contributing to an AI-driven call analytics platform that transcribes and classifies call center recordings using Google Gemini, providing real-time insights to operations teams.
- Designed structured prompts and output schemas to ensure consistent, validated results from the LLM.
- Built parts of the React + TanStack Query dashboard where managers can explore AI results, filter by queue/agent/category, and view transcripts

Saal.ai — AI Engineer Intern (Remote)

Nov 2025 – Dec 2025

- Designed and deployed LLM-based AI agents using Retrieval-Augmented Generation (RAG) with LangChain and OpenAI APIs.
- Implemented FAISS vector similarity search to enable scalable, low-latency document retrieval across large datasets.
- Integrated modular agent workflows using LangGraph for maintainable and extensible AI pipelines.

Eurisko — *AI Full Stack Engineer (Academy – On-site)*

Sep 2025 – Oct 2025

- Developed AI-driven systems using RAG, Llama 3.1, and Flask APIs for context-aware user interactions.
- Built a smart e-commerce assistant with intent detection, function calling, and policy grounding.
- Designed structured prompt templates and evaluation workflows to improve response accuracy and reliability.
- Delivered a live analytics dashboard monitoring AI performance, system health, and usage metrics.

Softwrezz — *Full Stack Engineer Intern (On-site)*

July 2025 – Aug 2025

- Built a full-stack application using React, Node.js, and MongoDB following a microservices architecture.
- Developed RESTful APIs, implemented automated testing, and containerized services using Docker

Lebanese American University — *Tutor*

Sep 2023 – May 2024

- Tutored students in programming fundamentals and Java object-oriented concepts.
- Strengthened students' problem-solving skills through debugging and algorithmic thinking.

PROJECTS

AI-Driven E-Commerce Assistant (LLMs, RAG, Full Stack)

- Designed and developed an intelligent customer support assistant using **Llama 3.1**, **FAISS**, and **Retrieval-Augmented Generation (RAG)**.
- Implemented **intent detection**, **function calling**, and **policy grounding** to support order tracking and policy queries.
- Built backend services with **Flask**, integrated **MongoDB**, and developed a **React** frontend for real-time interactions.

Domain-Specific Chatbot (LLaMA 2 + RAG)

- Built a domain-specific chatbot using **LLaMA 2** and **RAG** to deliver grounded, context-aware responses.
- Implemented document ingestion, embedding generation, and similarity-based retrieval from custom datasets.
- Improved response relevance by combining retrieved knowledge with prompt-based generation.

AI-Powered News Aggregator (OpenAI, Docker, Deployment)

- Developed an end-to-end GenAI news aggregation system using **OpenAI APIs** for content summarization and personalization.
- Integrated database storage and deployed the application using **Docker** with production hosting on **Render**.
- Designed a scalable, modular API-based architecture.

Vision-Based Reinforcement Learning Agent (PyTorch, OpenAI Gym)

- Built a reinforcement learning agent with a **CNN-based visual perception pipeline** for decision-making from raw image inputs.
- Implemented image preprocessing, feature extraction, and real-time inference using **PyTorch**.
- Applied visual RL techniques relevant to inspection and image-understanding workflows.

A3C Atari Agent – Kung Fu Master (PyTorch)

- Implemented an **Asynchronous Advantage Actor-Critic (A3C)** algorithm with multi-threaded parallel training.

- Trained actor-critic networks to solve Atari's *Kung Fu Master* environment.
- Strengthened understanding of policy gradients, advantage estimation, and distributed RL training.