

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 · JavaScript · SQL
- **Machine Learning & AI:** PyTorch · TensorFlow · Scikit-learn · LLMs (LLaMA 2/3.1, Gemini, OpenAI) · RAG · FAISS · LangChain · LangGraph · Hugging Face- claude code
- **Backend & Full Stack:** FastAPI · Node.js · RESTful API design · Microservices architecture · TypeScript
- **Deployment & Devops:** Docker · GitHub Actions · Render (production) · Google Colab
- **Frontend & BI:** React · TanStack Query · Power BI · real-time dashboards
- **Databases:** MongoDB · SQL · FAISS vector store · embedding pipelines

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

Aralects — AI Software Engineer (Internship -Remote)

Jan 2026 – May 2026

- Built Zenith — consultant-facing student admissions platform streamlining profile building, multi-stage applications, counselor task workflows, Q&A and PDF export.
- Architected and implemented backend with FastAPI, async SQLAlchemy, Alembic and Pydantic using a Router → Service → Repository pattern for testability and maintainability.
- Delivered React 19 + TypeScript frontend (TanStack Router/Query, @tanstack/react-form, Tailwind, shadcn/ui) with file-based routes and lazy loading for fast UX.
- Improved reliability and developer velocity with Docker dev-compose, uv + pnpm workflows, automated migrations, Sentry and Logfire.

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

PROJECTS

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.