

Carl Amine

Third-Year Electrical and Computer Engineering Student
American University of Beirut — Minor in Mathematics
caa44@mail.aub.edu — +961 71 145 741

PROFESSIONAL SUMMARY

Motivated Electrical and Computer Engineering student with solid experience in artificial intelligence, machine learning, and programming. Skilled in data analysis, algorithm development, and hands-on project work. Eager to apply technical and problem-solving abilities to real-world AI/ML challenges in an internship setting.

EDUCATION

B.E. in Electrical and Computer Engineering

American University of Beirut, Lebanon
Minor in Mathematics

2022 – 2026

EXPERIENCE

Volunteer, Alcademy

American University of Beirut

Jul 2024

- Supported instructors during sessions and guided students in coding activities.
- Facilitated group discussions and project-based learning.

Undergraduate Research Assistant

American University of Beirut

Fall 2024

- Researched ML techniques for branch prediction in microprocessors.
- Implemented matrix multiplication algorithm for benchmarking processor models.

PROJECTS

Weather Prediction Model – Built an ML model to forecast weather using historical data (temperature, humidity, precipitation).

Recipe Prediction – Developed a recipe prediction website based on RAG retrieval system, accompanied with recipe identification through image classification. [GitHub](#)

Image Classification (Kaggle) – Applied YOLOv8 and Scikit-learn to classify fake vs real images, dog vs cat images.

Object Detection – Created object detection models with YOLOv8 for real-time applications.

CERTIFICATIONS

- AI Fundamentals – IBM SkillsBuild (Aug 2024)
- ML with Python – IBM (Oct 2024)
- Intro to PyTorch – IBM (Jan 2025)
- Intro to AI – Univ. of Helsinki (Jun 2024)
- Generative AI – Google Cloud (Jun 2024)
- Deep Learning with Keras – IBM (March 2025)
- Neural Networks with PyTorch - IBM (March 2025)
- Supervised ML – Stanford (Jun 2024)
- AI/ML – ESIB (Sep 2021)

TECHNICAL SKILLS

Languages: Python, C/C++, MATLAB

Libraries: Scikit-learn, PyTorch, YOLOv8, Keras, Pandas, Numpy, Flask

Tools: Git, Google Colab, VS Code, Jupyter

LANGUAGES

English: Full Professional **French:** Native **Arabic:** Native