

Carl Amine

Third-Year Electrical and Computer Engineering Student

Minor in Mathematics - American University of Beirut

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Professional Summary

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

Education

B.E. in Electrical and Computer Engineering

American University of Beirut, Lebanon - 2022-2026

- Minor in Mathematics

Experience

- Undergraduate Research Assistant - American University of Beirut - Fall 2024
 - Researched ML techniques for branch prediction in microprocessors
 - Implemented matrix multiplication algorithms
- Volunteer, Alcademy - American University of Beirut - Jul 2024
 - Supported instructors and guided students in coding sessions
 - Facilitated group discussions and project-based learning
- AI Dev Intern – Atria Solutions -Jun/Aug 2025
 - Developed an AI agent pipeline responsible for responding client inquiries using SIP telephony
 - Worked with VirtualBox and Ubuntu in order to create isolated development environment
 - Developed skills in teamwork, debugging and troubleshooting
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Projects

- Weather Prediction Model - ML model for weather forecasting using historical data
- Recipe Prediction - Web app using RAG and image classification
- Image Classification (Kaggle) - Fake vs real, dog vs cat classification using YOLOv8 and Scikit-learn
- Object Detection - Real-time object detection models using YOLOv8

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Certifications

- Supervised ML - Stanford (Jun 2024)
- Generative AI - Google Cloud (Jun 2024)
- Intro to AI - University of Helsinki (Jun 2024)
- AI Fundamentals - IBM SkillsBuild (Aug 2024)
- ML with Python - IBM (Oct 2024)
- Intro to PyTorch - IBM (Jan 2025)
- Deep Learning with Keras - IBM (Mar 2025)
- Neural Networks with PyTorch - IBM (Mar 2025)
- 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)