

Nour Aawar

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PROFESSIONAL SUMMARY

Computer Science and Engineering student at AUB focused on AI/ML and generative AI systems. Experienced in building multi-agent AI systems and production-style applications.

EDUCATION

From 08/2023 to Present	American University of Beirut Bachelor of Computer Science and Engineering Expected Date of Graduation: 2027 Overall GPA: 3.7 / 4.0	Beirut, Lebanon
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PROJECTS

Cybersecurity AI System (Python, FastAPI, React, LangGraph, RAG, Qdrant, MongoDB, Redis, Docker)

- Built a multi-agent AI system for real-time incident analysis and response.
- Designed a RAG pipeline over MITRE AT&CK and NIST playbooks.
- Developed a multi-agent orchestration system using LangGraph and LLMs.
- Integrated AbuseIPDB and VirusTotal APIs for IOC analysis.
- Achieved 95% attack classification accuracy across simulated scenarios.

Exchange Rate Platform (Flask, React, MySQL, JWT, REST APIs)

- Built a full-stack exchange rate platform with secure backend APIs and a responsive frontend.
- Implemented JWT authentication, RBAC, and rate limiting for secure access control.
- Developed features including analytics, time-series data, P2P marketplace, alerts, and notifications.
- Integrated frontend with backend APIs to deliver real-time dashboards and user workflows.
- Currently extending the system to desktop and mobile applications.

Piano AI System (Python, LangGraph, LangChain, RAG, ChromaDB, SQLite, Docker, CI/CD)

- Designed a multi-agent AI system with supervisor-based routing.
- Built a RAG pipeline for semantic music knowledge retrieval.
- Integrated voice interaction (Whisper + TTS).
- Containerized system and implemented CI/CD pipeline (GitHub Actions).
- Added guardrails for safety and reliability.

TRAININGS

Inmind Academy – Machine Learning Track Trainee

From 02/2026 to 04/2026

- Enrolled in a structured machine learning track covering classical ML, deep learning, NLP, generative AI, and MLOps and deployment practices.
- Hands-on exposure to ML workflows, experiment tracking, and Git-based collaboration.

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, JavaScript.
- **AI / Machine Learning:** Machine Learning, Deep Learning, Generative AI, LLM Applications, Retrieval-Augmented Generation (RAG), Multi-Agent Systems, Prompt Engineering, Embeddings, AI System Design, Information Retrieval, AI Safety & Guardrails.

- **Backend & APIs:** Flask, FastAPI, REST APIs, JWT Authentication.
- **Frontend:** React, HTML, CSS.
- **Databases & Storage:** MySQL, SQLite, MongoDB, Redis, Vector Databases (ChromaDB, Qdrant).
- **Tools & Technologies:** Docker, Git, GitHub, CI/CD (GitHub Actions), Postman.

SOFT SKILLS

Problem Solving, Analytical Thinking, Debugging, and Teamwork.

EXTRACURRICULAR ACTIVITIES

- **IEEE AUB Student Branch**
Member
 - Participated in technical workshops and networking events organized by the branch.
- **AUB Archery Club**
Treasurer & Member
 - Manage club finances, budgeting, and expense tracking.
 - Develop skills in archery through weekly training sessions.

LANGUAGES

- English (Fluent)
- Arabic (Native)
- French (Intermediate)