

Aya Daaboul

Data Science

OBJECTIVE

Proactively collaborates with teams to deliver data-driven solutions.

Motivated and passionate to explore the innovative applications of machine learning and its capacity to unlock new possibilities. Commitment to continuous learning.

LINKED IN PROFILE

[Click here](#)

GITHUB PROFILE

[Click Here](#)

PHONE

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EMAIL

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LANGUAGES

English (Advanced)

Arabic(Native Language)

French(Elementary)

SKILLS

- Agentic AI
- Chatbots and RAG (retrieval-augmented generation) pipelines
- Docker
- Database management system (MySQL/Postgres)
- API development and Integration (FastAPI in python)
- Programming languages (Python/C++/Java)
- Python EDA and Data analysis libraries(Pandas/Numpy/ Matplotlib/scikit learn)
- Hugging Face Model Integration

EXPERIENCE

AI ENGINEER INTER, SIREN ASSOCIATES (YOUTH4GOVERNANCE PROGRAM)

BEIRUT,LEBANON(ONSITE) , OCTOBER 2025 – FEBRUARY 2026 (4 MONTH)

- **Agentic Chatbot & RAG Architecture:** Architected an AI-driven chatbot utilizing a RAG pipeline with PostgreSQL (pgvector + Cosine Similarity) for high-accuracy Arabic document retrieval; integrated custom Sitemap and Complaints tools to automate website navigation and user complaints filing.
- **System Monitoring & Optimization:** Developed a comprehensive learning system to iteratively improve model responses and built a PowerBI KPI dashboard to monitor real-time performance metrics, citizen satisfaction, and system metrics.
- **Back-Office & Secure Infrastructure:** Engineered a secure administrative back-office for document ingestion, implementing a robust authentication system via Siren's auth system. The interface is Angular-based with responsive UI integration.
- **DevOps & Quality Assurance:** Managed the DevOps deployment strategies and rigorous quality testing.

42 BEIRUT PICINER, 42 BEIRUT

BEIRUT,LEBANON(ONSITE) , JULY 2025 – AUGUST 2025 (1 MONTH)

- Engaged in a 4 week intensive period of continuous individual projects, group projects, time-bound technical challenges, peer to peer evaluations, and exams.

FULL STACK WEB DEVELOPMENT BOOTCAMP, AUF

BEIRUT,LEBANON(HYBRID) , NOVEMBER 2024 – MAY 2025 (7 MONTHS)

- Developed real-world applications using the MERN stack (MongoDB, Express.js, React, Node.js), including personal portfolios, company websites, a weather app, a habit tracker, and a fintech platform.
- Created Mockups for apps on Figma, gained hands-on experience in front-end and back-end development, API integration, and database management.

AMBASSADOR PROGRAM LEAD, ZAKER

BEIRUT,LEBANON(HYBRID) , NOVEMBER 2024 – JULY 2025 (9 MONTHS)

- Supported in event planning and coordination, content creation, community building and managing all other ambassadors in various universities.

DATA SCIENCE INTERN , SALEM GROUP

BEIRUT,LEBANON(REMOTE) , SEPTEMBER 2024 – OCTOBER 2024 (2 MONTHS)

- Supported data team with various tasks utilizing python

- Machine learning, Supervised learning (univariate and multi variable linear regression)
- EDA(exploratory data analysis)
- Statistical analysis
- R programming
- Data visualization in Tableau
- PowerBI dashboarding
- MERN stack (Mysql, React, Express, Node JS) / HTML, CSS and Javascript
- Git
- Agile Methodologies
- C (programming Language)
- Unix
- Shell Scripting

- Collected and cleaned the data by conducting Exploratory Data Analysis (EDA) using Python libraries(pandas, matplotlib, numpy)

DATA TEAM MEMBER , ALL GIRLS CODE ,AMERICAN UNIVERSITY OF BEIRUT
BEIRUT,LEBANON , JULY 2024 - SEPTEMBER 2024 (3 MONTHS)

- Demonstrated strong communication and attention to detail skills by collecting, cleaning data and then creating visuals in tableau, and teaching them to peers.

EDUCATION

LEBANESE BACCALAUREATE, ZAHIA KADDOURA PUBLIC SCHOOL
BEIRUT (2022 – 2023)

PURSUING BACHELOR'S DEGREE IN DATA SCIENCE, LEBANESE UNIVERSITY
BEIRUT (2023 – CURRENT)

CERTIFICATIONS

- **Certificate of Participation in Seminar:** "The Futuristic Dimension of Artificial Intelligence and its Impact on Humanity"(16th and 17th October 2023)
- **Certificate of Completion** of SHE IN STEAM Robotics Training, funded by FARAH Social Foundation and the US Embassy in Beirut (January,2024)
- **Certification of Completion** "Discovering Powerful Business Insights with Tableau" course on LinkedIn Learning(August 2024).
- **Statement of accomplishment:** "Data Manipulation with Pandas" course on DataCamp. (August,2024)
- **Statement of accomplishment:** "Understanding Prompt Engineering" course on DataCamp. (September,2024)
- **Statement of accomplishment:** "Supervised Machine Learning: Regression and Classification" course on Coursera by Stanford Online. (October 2024)

ATTRIBUTES

Diligent and Hardworking / Strong Leadership / Skilled in Community Building / Highly Adaptable / Effective Problem-Solver / Collaborative Team Member / Inquisitive Learner / Proactive