

Yasmine Zahreddine

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SKILLS

- **Programming Languages:** Python (advanced, backend), C, C++, Java, JavaScript
- **Backend Development:** Built CPMS & chatbot systems using Python; skilled in API development and database integration (FastAPI, Flask, Quart, Laravel)
- **Artificial Intelligence:** Experience building AI-driven chatbots and integrating OpenAI for automated customer interactions.
- **Databases:** Proficient in SQL; experienced with Supabase, AWS Lightsail, and database optimization (stored procedures, indexing, triggers)
- **Web Development:** Proficient in HTML, CSS, ReactJS; experience with frontend design and API consumption.
- **Cloud & Infrastructure:** Hands-on experience with AWS Lightsail, NGINX, and Supabase.
- **Version Control & Collaboration:** Proficient in Git; collaborative team project experience.

WORK EXPERIENCE

Part-Time Software Engineer

WrenEV – December 2024 – February 2025

- **Hotline Chatbot System:** Worked on a call-driven customer service hotline integrating Twilio and OpenAI to automate call handling and responses.
- **WhatsApp Chatbot Development:** Designed and implemented a WhatsApp chatbot using Twilio and OpenAI to automate customer interactions and enhance user engagement.
- **OCPP Hands-on experience:** Further strengthened my familiarity with OCPP by working on related projects, gaining deeper understanding of its implementation and EV integration.

Software Engineer Intern

WrenEV – September 2024 – November 2024

- **AI Chatbot Development:** Developed AI chatbot integrating OpenAI and Supabase for secure user data management and improved engagement.
- **Dynamic Newsletter Automation:** Automated weekly/monthly newsletters using Python to enhance user communication.
- **Data Migration:** Contributed to migrating data from AWS Lightsail to Supabase, ensuring a smooth transition and data integrity.

PROJECTS

- **ThinkLink (Team Project):** Developed AI-powered interactive learning platform with user authentication, AI chatbot and videos using Laravel, Supabase, and Groq.
- **ChibiLink:** Built a URL shortener with React (typescript) frontend and FastAPI (python) backend; integrated Supabase for efficient database management.
- **CPMS System:** Created charging point management system for ocpp1.6 with python and supabase.
- **Spaceship Management System (Team Project):** Designed database system managing spaceships, crew, missions, and cargo; implemented stored procedures, triggers, indexing.
- **GPT-4 Website:** Developed GPT-4 info website frontend using React and CSS.

VOLUNTEER EXPERIENCE

Cybersecurity Analyst & Event Organizer

Google Developer Groups (GDG) – Lebanese University | October 2024 – July 2025

- **Cybersecurity Workshop Lead:** Led cybersecurity workshop introducing students to key concepts and real-world attack demos.
- **Dev Fair Organization:** Contributed to organizing DevFair, connecting students with over 16 companies and domain experts in the software development field.
- **Tech Day Contributor:** Assisted in the planning and execution of Tech Day and other events enhancing student exposure to industry trends and hands-on learning opportunities.

TRAINING AND CERTIFICATIONS

Zaka Summer Machine Learning Program

Zaka AI | May 26, 2025 – present

- Intensive summer program focused on foundational and advanced machine learning concepts with hands-on projects.
- Gaining practical experience in data preprocessing, exploratory data analysis, model development and evaluation, deep learning using python and key ML libraries(sickit-learn, pandas, ...)
- Actively practicing coding challenges and real-world machine learning applications.

EDUCATION

Bachelor of Science in Computer Science, Lebanese University - Faculty of Sciences

2022 – Expected graduation 2025