

Clara Zammar

✉ clarazammar4@gmail.com ☎ +961 81 647 648 🌐 claraz4

🌐 clara-zammar 🔗 Clara's Portfolio 📍 Beirut, Lebanon



Education

Sep 2022 – Jul 2026 **BE in Computer Engineering**, Lebanese American University
CGPA of 3.94 | Honors Program | Distinguished List: 2022 to 2026

Sep 2007 – Jun 2022 **French Baccalaureate**, Saint-Coeurs Sioufi
Specialized in Math, Physics, and Chemistry

Skills

Programming Languages — Assembly, Java, Python, C, C++, JavaScript, TypeScript

Backend and DevOps — SQL, MongoDB, Node.js, Express.js, AWS, Docker

Design and Frontend — HTML, CSS, React.js, Angular, React Native, Figma

Testing and API Tools — Jest, React Testing Library, Postman, Swagger

Artificial Intelligence — Machine Learning, Deep Learning, YOLO, LLMs, RAG

Hardware and Simulation — Verilog, Arduino, MATLAB, Quartus

Languages — Arabic (Native), French (Fluent), English (Fluent)

Professional Experience

Jun 2025 – Aug 2025 **Software Development Engineer Intern**, Amazon Web Services
Berlin, Germany
Built internal tools for the Amazon Redshift team to improve and automate how engineers access, query, and manage operational data through full-stack development and cloud infrastructure.

Feb 2025 – Mar 2025 **Frontend Trainee**, inmind.ai
Mkalles, Lebanon
Designed wireframes and mockups in Figma and built an e-commerce website using Angular, SCSS, HTML, and TypeScript.

Jun 2024 – Jul 2024 **Information Technology Intern**, Dar Al-Handasah
Beirut, Lebanon
Configured networking and virtual machine environments and developed a blog web application using the MERN stack.

Projects

Apr 2024 – Jan 2025 **Studytron** 🔗, Co-Founder
Co-founded a tutoring platform connecting LAU students with tutors, including a wide range of features tested with Jest and React Testing Library.

Sep 2025 – May 2026 **Home Automation System**
Developed a full-stack mobile and web system with custom hardware for appliance control, scheduling, energy monitoring, AI-based automation, and reliable local/remote backend operation in unstable electrical environments.

Jul 2025 – Present

Logic Circuit Image to Verilog Converter

Automated the conversion of logic circuit images into Verilog code using deep learning and image processing to identify gates, connections, and circuit structure.

Nov 2025 – Dec 2025

Hypoglycemia Detection

Developed a deep learning model to detect hypoglycemia risk from ECG signals, including data preprocessing, model training, and performance evaluation.

Certificates

- Introduction to Computer Science - CS50
- Learn to Program: The Fundamentals - University of Toronto
- Introduction to Cloud 101 - AWS
- Introduction to Cybersecurity - CISCO
- Advanced Life Skills - The Council Leadership Academy
- Getting Started with Storage - AWS