

MARIAM KHALIFE

Aspiring Software Engineer · CCE Student · IEEE Member & Webmaster

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O B J E C T I V E

Second-year Computer and Communication Engineering student seeking a software engineering internship to apply and expand practical skills in programming, web development, and systems design. Eager to contribute to real-world software projects, grow within a collaborative engineering team, and gain industry exposure that bridges academic knowledge with professional practice.

P R O J E C T S

Web Development · 2024 – Present

IEEE Student Branch Website – Antonine University

- Designed and deployed a multi-page informative website to centralize IEEE branch resources and boost student engagement.
- Built an online member registration module with structured form handling and a user-friendly layout.
- Created pages for past events, upcoming activities, and structured IEEE resource access.
- Independently managed design, content, and deployment as branch Webmaster.

HTML5 · CSS3 · JavaScript · Web Design

OOP1 · 05/2026

Library Management System | Object-Oriented Programming · Java · May 2026

- Developed a console-based Java application to manage library operations including borrowing, returning, and tracking books.
- Applied core OOP principles including encapsulation and abstraction using a modular multi-class architecture (Book, Library, FileHandler, MongoHandler, Main).
- Implemented dual data storage options: file-based persistence using structured CSV format and a MongoDB handler for database-backed storage.
- Designed a clean console menu interface for user-friendly interaction.

Java · OOP · File Handling · MongoDB · Data Structures · Console Application

Programming 2 · 05/2025

Donation Charities Management System

Console-based application with secure user login, an admin control panel, and JSON-based persistent data storage for managing charity records and donation tracking.

C++ · JSON File Storage · OOP · Console Application

Embedded Systems · 12/2024

Solar-Powered Digital Stopwatch with Multiple Timers

- Designed and simulated a digital stopwatch capable of running multiple simultaneous timers displayed on an LCD screen.
- Integrated a solar panel and lithium battery power supply system for energy-efficient, autonomous operation.
- Programmed and verified the full circuit in TinkerCAD simulation before physical hardware implementation.

Arduino (C) · TinkerCAD · Solar Power System · Embedded Systems

CAD & Networking · 04/2025

Residential Network & Floor Plan Design (20×30)

Created a detailed house floor plan in AutoCAD with an integrated home network topology and essential utility layout.

AutoCAD · Network Design

TECHNICAL SKILLS

LANGUAGES	C++ · Java · JavaScript · Python
WEB	HTML · CSS · Responsive Design
DATABASES	SQL · Database Design · JSON Data Handling
TOOLS	Arduino IDE · AutoCAD · TinkerCAD · Cisco Packet Tracer
AI TOOLS	ChatGPT · Claude · DeepSeek · Gemini
SOFT SKILLS	Teamwork · Communication · Self-Learning · Time Management

EDUCATION

Antonine University, Hadat-Baabda · 2024 – Expected 2028

Bachelor of Engineering – Computer and Communication Engineering

Currently in Second Year · Key coursework: Programming (C++, Java), Web Development, Digital Systems, Networking, SQL & Database Design, AutoCAD, Embedded Systems.

Hassan Kassir High School · Graduated 07/2024

Lebanese Baccalaureate – General Science

LEADERSHIP & EXPERIENCE

IEEE Student Branch – Antonine University · 2024 – Present

Webmaster & Board Member – IEEE Student Branch

- Serve on the student branch board, managing the digital presence and online communications.
- Prepare and deliver presentations to recruit students and promote technical workshops.
- Contribute to social media outreach and event coordination to grow branch engagement.

Faculty of Engineering and Technology – Antonine University · November 2025

Mentor – First Robotics Workshop for High School Students

Guided high school students through robotics concepts and hands-on activities. Awarded a Certificate of Recognition by Université Antonine (November 15 & 29, 2025).

LPG Academy · Summers 2017 & 2018

Assistant Sports Coach

Supervised children during sports training over two summers, developing conflict resolution, organisational, and leadership skills.

CERTIFICATES

CCNA: Introduction to Networks

06/2025 · Cisco Networking Academy

AI Kickstart with Python (12 hrs)

09/2024 · Dr. Naim Rayhan

Time Management

07/2023 · Zat

LANGUAGES

Arabic	Native
English	B1.2
French	B1.2 · DELF B2 in progress (Summer 2025)

INTERESTS

Open-Source Software · Robotics · Team Sports · Volunteering · Outdoor Activities