

## Cynthia Nahle

Beirut, Sfeir

+96171368392

cynthianahle123@gmail.com

LinkedIn Profile: [www.linkedin.com/in/cynthia-nahle-46b329204](https://www.linkedin.com/in/cynthia-nahle-46b329204)

---

## Professional Summary

Motivated software engineer with a passion for open-source development and Linux-based systems, backed by a Computer Science degree from CNAM Liban and rigorous, project-based training from 42 School. Skilled in Python, with hands-on experience in full-stack development, collaborative coding, and system-level programming. A proactive and self-driven professional committed to contributing to open-source projects and enhancing development tooling and infrastructure.

---

## Technical Skills

- **Programming Languages:** Python, C, Java, JavaScript, SQL
  - **Frameworks & Libraries:** React, ASP.NET Core
  - **Databases:** PostgreSQL, MySQL, PL-SQL
  - **Tools & Technologies:** Git, Makefile, MiniLibX, libft, VirtualBox
  - **Operating Systems:** Ubuntu, Linux, Windows
  - **Development & Packaging:** Experience with Debian/Ubuntu packaging, API development, unit testing, and large web applications
  - **Languages:** English (Fluent), French (B2), Arabic (Native)
- 

## Projects

- **Unix Shell (C):** Developed a basic Unix shell implementing system calls such as `fork`, `execve`, and `waitpid`, enhancing understanding of process management and system operations.
  - **Push Swap Algorithm:** Designed an efficient sorting algorithm with memory optimization and limited command sets, focusing on algorithm design and complexity reduction.
  - **E-commerce Website (JavaScript, PHP, SQL):** Built a full-featured e-commerce site with a secure, dynamic backend and a smooth user interface, integrating database management and payment processing.
  - **2D Game (MiniLibX Library):** Created an interactive game in C using MiniLibX for graphics, working with file formats and UI components, emphasizing code quality and user experience.
  - **Sudoku Solver (Java):** Implemented a backtracking-based algorithm for solving puzzles, highlighting analytical and debugging skills.
-

## Professional Experience

### Internship - Full Stack Web Development & Java Development at LeadByTech

*Beirut*  
2023

- Developed and maintained web applications, focusing on backend functionality, API integration, and database management.
- Strengthened debugging and troubleshooting abilities by identifying and resolving software issues in a timely manner.

### Volunteer - Lebanese Red Cross

*Furn El Chebbak*  
2022 - 2023

- Actively supported communication and coordination in a high-stress environment, demonstrating teamwork and problem-solving skills under pressure.

---

## Education

**CNAM Liban, Beirut**  
Bachelor's Degree in Computer Science

---

## Certifications

- **React and ASP.NET Core:** Demonstrates front-end and back-end web development skills.
- **Ethical Hacking:** Highlights security knowledge and vulnerability awareness.
- **Front-End Development:** Proficiency in HTML, CSS, and JavaScript for user-facing applications.

---

## Professional Development

- **42 School - Coding Program**  
Hands-on experience with advanced coding concepts, software design, and collaborative coding.
  - **Udemy Courses**  
Machine Learning, Data Analysis, and Python programming with TensorFlow and Pandas.
-