

LANA AKOUM

SUMMARY

Motivated Computer and Communication Engineering student with a strong passion for technology. Eager to explore and grow within innovative engineering environments through real-world experience.

PROJECTS & EXPERIENCE

Android Developer Intern

R&D Department | FOO.mobi

21 July → 19 September 2025

- Built a KMM and Jetpack Compose Android app using Clean Architecture
- Integrated APIs, local storage (Room, DataStore), and Paging 3
- Applied Hilt, Coroutines, and modern Android best practices

Java Backend Developer - FinTech Project

Objectia Academy

January - 2025

- Developed a Java Spring Boot backend for a FinTech system managing accounts and cards.
- Built REST APIs with PostgreSQL, JPA, and Hibernate.
- Worked with Gradle, IntelliJ, and Spring Initializr in a professional setup

Java Backend Developer Premium - FinTech Project

Objectia Academy

March - 2025

- Built a FinTech backend system with Spring Boot, PostgreSQL, JPA, and Hibernate.
- Implemented microservices, transaction handling, and fraud detection logic.
- Used Swagger, Feign Client, Git, Gradle, and Agile methodologies.

Front-End Web Project – Sunglasses Brand Website

August - 2025

HTML · CSS · JavaScript

- Developed a responsive e-commerce website with product pages, cart, authentication modals, and search functionality.
- Implemented interactive UI components and focused on clean, modern UI/UX design.

University projects

Network Configuration Using Linux

- Configured local networks, routing, firewalls, and services using Linux for network administration practice.

Light Sensor System Using Arduino

- Developed a simple light-based system using an Arduino microcontroller, photoresistors and basic automation logic (LED control based on light intensity).

Microcontroller Sensor Projects

- Built small embedded systems using microcontrollers (basic sensors, input/output control, simple automation tasks).

Car Rental System (C#)

- A management system to handle vehicle inventory, customer data, rentals, and returns with an intuitive UI.

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EDUCATION

2023 present

**FACULTY OF TECHNOLOGY,
LEBANESE UNIVERSITY**

SAIDA

- Bachelor CCNE

Expected Graduation: July 2026

SKILLS

Soft Skills

- Teamwork
- Time Management
- Leadership in organizing tasks
- Critical Thinking
- Problem-solving skills developed through university labs and training

Technical Skills

- **Programming Languages:** kotlin, java, C, C#, VB.NET, SQL, HTML, CSS, JavaScript

- **Mobile & Android Development:** Kotlin
Multiplatform Mobile (KMM), Jetpack Compose, Material Design 3, Retrofit, Room Database, Paging 3, DataStore, Dagger Hilt

Architectural Patterns & Concepts

Clean Architecture, MVVM, MVI, Coroutines, Flow, Dependency Injection

Backend Development

Java Spring Boot, REST API Development, Microservices Architecture, JPA / Hibernate, Swagger (API documentation), API Testing (Postman).

Databases

PostgreSQL (pgAdmin 4), Microsoft Access (SQL), Relational database design & management

Networking & Systems

Cisco Packet Tracer

- LAN / WAN configuration
- Subnetting, routing, switching

Network setup, troubleshooting, and configuration

Linux networking commands & services

Operating Systems: Linux, Windows

Tools & IDEs

IntelliJ IDEA, Visual Studio, SharpDevelop, Code::Blocks, VMware Workstation (Ubuntu ISO), Proteus, Multisim, Agilent ADS, NI ELVIS II, Emona DATEX

LANGUAGES

- English , French , Arabic

References available upon request