

Sara HARIKA
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PROFESSIONAL SUMMARY

Software Engineering student with hands-on experience in full-stack web development, backend engineering, RESTful APIs, database design, and software project leadership. Experienced in developing scalable applications using ASP.NET Core, Next.js, React, Node.js, Laravel, SQL Server, and MySQL. Currently serving as Team Leader in a full-stack development internship, leading the development of Sakan Intel, a rental intelligence platform. Skilled in Agile methodologies, Git workflows, system design, and cross-functional team collaboration. Passionate about building user-centered software solutions and transforming business requirements into reliable digital products.

EDUCATION

Bachelor of Engineering in Computer and Communications (Master Level) **2022-present**
Software Engineering and Networks
Antonine University, Lebanon

PROFESSIONAL EXPERIENCE

Software Engineering Intern | Full-Stack | Megabee **June 2025 – August 2025**

- Developed and maintained backend services using **ASP.NET Core**, supporting structured and scalable web application features
- Worked on **RESTful APIs** and client-server communication for internal software systems
- Assisted in optimizing **SQL Server queries and database schemas** to improve performance and data structure efficiency
- Collaborated in **Agile team workflows**, participating in sprint planning, task tracking, and code reviews
- Tested features, debugged issues, and contributed to improving application stability and reliability
- Documented technical implementations and supported team knowledge sharing

Full-Stack Engineering Intern | Team Leader | TechTalks **June 2026 – Present**

- Leading a multidisciplinary development team in the design and implementation of Sakan Intel, a rental intelligence platform for the Lebanese real estate market
- Developing full-stack web application features using Next.js, React, Node.js, and modern web technologies
- Managing sprint planning, backlog prioritization, task assignments, and team coordination using Agile methodologies
- Designing system architecture, database schemas, API specifications, and project workflows
- Collaborating with developers to implement responsive user interfaces and backend services
- Managing source control, pull requests, branch strategies, and team collaboration using Git and GitHub
- Preparing technical documentation including PRDs, MVP definitions, user stories, use cases, workflows, and system design artifacts
- Working closely with mentors and stakeholders to validate requirements and ensure successful project delivery

PROJECTS

Sakan Intel – Rental Intelligence Platform | Team Leader | Next.js & Full-Stack Development 2026

- Leading the development of a rental intelligence platform connecting tenants and landlords in Lebanon
- Participating in frontend development using Next.js and React
- Designing backend architecture, APIs, and database models
- Creating Product Requirements Documents (PRDs), MVP planning, user stories, workflows, and technical specifications
- Coordinating Agile sprint execution and team collaboration
- Managing GitHub repositories, pull requests, and development workflows
- Contributing to system architecture, ERD design, and feature planning

Café Traffic Finder Platform – UI/UX Design (Figma) 2026

- Designed a cross-platform application for **Android, iOS, and Web** to help users identify café crowd levels and peak traffic times
 - Created full UI/UX design system including user flows, wireframes, and high-fidelity prototypes using Figma
 - Applied **Jakob Nielsen's Usability Heuristics** (consistency, visibility of system status, error prevention, user control and freedom) to enhance usability and interaction design
 - Applied mobile UX lifecycle principles (**Adopt, Use, Transact, Return**) to structure the user journey and improve engagement and retention across the application
 - Ensured responsive and adaptive layouts across mobile and web platforms for consistent user experience
 - Developed an interactive prototype simulating real-world user interactions across all platforms

Smart Crop Monitoring System – IoT & Physical AI 2026

- Built an IoT monitoring system using **Raspberry Pi** with sensors (temperature, humidity, light, soil moisture)
- Developed backend communication using **MQTT protocol** for real-time data exchange
- Designed automation logic for irrigation and environmental control based on sensor readings
- Built structured **JSON data pipelines** and integrated backend storage for sensor history tracking
- Created modular system architecture separating sensor handling, communication, and control logic
- Added alert mechanisms and remote monitoring featuresOrganized codebase into well-documented modules (sensor drivers, MQTT handler, AI engine, dashboard API)

Gender and Age Detection | Python 2026

- Developed a **Python-based CNN model** for image classification tasks
- Built data preprocessing pipeline (cleaning, normalization, dataset splitting)
- Trained and evaluated models using TensorFlow/Keras
- Documented experiments and results for academic and educational use

Money Transfer Web Application | Laravel (PHP) | MySQL 2026

- Built a full-stack web application using **Laravel (PHP) and MySQL**
- Implemented **role-based system (admin, agent, user)**
- Designed secure transaction workflows and relational database structure
- Developed responsive frontend UI with backend integration

SKILLS

Full-Stack Development: Next.js · React · ASP.NET Core · Laravel · Node.js · REST APIs · HTML · CSS · JavaScript · Bootstrap

Frontend Development: Next.js · React · Responsive Design · UI Development · API Integration · Figma
Backend Development: ASP.NET Core · Node.js · Laravel · RESTful APIs · Authentication · Authorization
UI/UX & Design: Figma, Human-Computer Interaction (HCI) · Wireframing · Prototyping · User-Centered Design
Backend & Databases: MongoDB · PostgreSQL · SQL Server · MySQL · API design · Database schema design
Programming: Python · C# · Java · C++ · PHP · JavaScript
AI / ML: TensorFlow · Keras · CNNs · Data preprocessing (basic–intermediate)
IoT & Systems: Raspberry Pi · MQTT · Sensor integration · Automation logic · JSON data handling
Tools & Practices: Git · Azure DevOps · Agile methodology · Debugging · Technical documentation · GitHub · Notion · Jira
Networking Basics: TCP/IP · MQTT · Linux CLI

CERTIFICATIONS

CCNA – Introduction to Networks
CCNA – Routing and Switching Essentials
CCNA – Scaling and Connecting Networks
Elements of AI for Business – MinnaLearn (2026)

RECOGNITION

Letter of Recognition of Top Academic Performers	Spring	2024,
Spring 2025, Fall 2025 -2026		

LANGUAGES

English (C2), French (B2), Arabic (native)