

# JOHN EL HACHEM

## Computer & Communications Engineering Student

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### PROFILE

Proactive Computer and Communications Engineering student in the fourth year at Saint Joseph University – ESIB, specializing in Artificial Intelligence with software engineering electives. Strong foundation in computer systems, networking, and full-stack development, with a proven track record through award-winning projects and hands-on platform management experience. Seeking an AI/software internship to apply technical expertise in solving real-world challenges and deliver measurable impact within collaborative teams.

### EDUCATION

<b>Bachelor of Engineering in Computer &amp; Communications Engineering</b>	2022 – Expected 2027
Saint Joseph University – ESIB — AI Track with Software Engineering Electives	
<b>Lebanese Baccalaureate – General Sciences</b>	2022
Collège des Frères Mont La Salle	

### CERTIFICATIONS

AWS Cloud Practitioner (CLF-02); CCNA 1: Introduction to Data Networks	Jan 2025
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### SKILLS & STRENGTHS

**Technical:** Python, C++, JavaScript (React, Node.js, Express), HTML/CSS, MATLAB, Tkinter; Git, Linux, Docker; PostgreSQL, SQLite, MongoDB; AWS (IAM, Lambda, CLI); Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch; OOP, networking, databases, full-stack development, NLP, DSA; Cisco (CCNA1).

**Languages:** English (Fluent), French (Fluent), Arabic (Native), Spanish (Basic).

**Organizational:** Leadership, teamwork, problem-solving, time management, adaptability (developed through scouting, martial arts, and volunteering).

### EXPERIENCE

<b>Library Assistant – E-Platform Management</b>	2024 – 2025
<i>Saint Joseph University (ESIB)</i>	
· Managed the digital library platform and e-resource access, coordinating with IT for system updates and providing technical support to students and faculty.	

### PROJECTS

<b>FieldSpot – Sports Field Booking Platform</b>	May 2024 – Jul 2024
<i>Full-stack Web Application</i>	
· Full-stack platform (React, TypeScript, Tailwind CSS, Supabase, Vercel) with real-time availability, map-based search, secure login, and Arabic/English UI; evolved from a Python Tkinter + SQLite app. Awarded top project ranking at ESIB; includes AI-ready features for player matching and demand prediction.	
<b>Multimeter Project</b>	Jan 2025 – May 2025
<i>Arduino-Based Measurement System</i>	
· Arduino Mega-based multimeter (ohmmeter, capacitometer, inductometer) using Wheatstone bridges and relay networks for precision measurement.	
<b>LegalMind – AI-Powered Legal Document Intelligence</b>	Oct 2025 – Nov 2025
<i>NLP/ML Platform</i>	
· Built an end-to-end NLP platform for clause classification, risk detection, and bill summarization (CUAD, LEDGAR, BillSum datasets) using TF-IDF models and DistilBERT/DistilBART, achieving 84%+ accuracy; designed as a scalable platform for law firm workflows.	