

Alaa Khreiss

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Fourth-year motivated Computer & Communication Engineering student with a specialization in Multimedia and Networks. Hands-on experience with Python, Java, full-stack web development, and SQL/NoSQL database. Completed numerous academic projects and two internships; eager to apply technical and problem-solving skills within the workplace.

EDUCATION

Bachelor of Engineering in Computer and Communications (Master level)	
Multimedia and Networks	2022 – present
Antonine University, Lebanon	

PROFESSIONAL EXPERIENCE

Web Developer Intern at Ogero	May 2025 – present
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Currently working on an internship as a web developer:

- Built a full-featured Admin Dashboard using React.js and Node.js
- Integrated JWT authentication with key rotation, role-based access, and secure session storage.
- Developed REST APIs with Node.js and Express including pagination, filtering, CRUD, and rate limiting.
- Added security layers: IP restriction, CORS, connection limits.
- Worked with MySQL for real-time data updates across Users, Roles, Permissions, and Hierarchy tables.

Technical Intern at TerraNet	July 2024 – August 2024
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Completed one-month training in the technical department and covered the following topics:

- Database application in Python Language
- TensorFlow
- Predictions based on historical trends in Python Language

Satisfactorily fulfilled the tasks assigned and got a certificate upon my request.

PROJECTS

- Project 1: Admin Dashboard Web App (Full Stack, solo)**

Description : A secure admin panel with login, user/role management, token auth, real-time updates, and REST API.

Tech: React, CSS, Node.js, Express, HTML, MySQL, JWT, Postman

Role-based access - Token rotation - API rate limiting - IP/CORS protection

- Project 2:Virtual time Capsule Website (Full Stack, solo)**

Description: A user-friendly, responsive website where users create time capsules by signing in and storing memories to a MySQL DB. Includes an **AI-powered chatbot** for user guidance.

Tech: NodeJS, HTML,CSS, JavaScript, and MySQL server.

- Project 3:Student information system (Pair Work)**

Description: Instructor/student management system with JavaFX and MySQL integration.

Tech: JavaFX, MySQL

- Project 4:Online Book Store (Pair Work)**

Description: CRUD operations over a RESTful API with MongoDB backend.

Tech: Java, Spring Boot, MongoDB

SKILLS

Programming:	Python, C++, Java, JavaScript, ARM Assembly
Web Development:	HTML/CSS, React, Node.js, JavaFX, REST APIs
Databases:	MySQL, PL/SQL, Oracle, MongoDB
Engineering Tools:	ArcGIS, AutoCAD, Proteus, MATLAB
Multimedia:	Illustrator, Photoshop, InDesign, Vegas Pro
Systems & Networking:	Linux, Windows Server, Active Directory, DNS/DHCP/GPOs
Concepts:	OOP, CRUD Operations

CERTIFICATIONS

Cisco: Introduction to networks	2023
Cisco: Routing and switching essentials	2023
Cisco: Scaling and connecting networks	2024

LANGUAGES

English , French , Arabic(native)