

Akrem ALAMINE

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Professional Experience

Cloud Engineer Intern, RIF (Rassemblement des Ingénieurs Francophones) 07/2025 – 09/2025 Paris, France (Remote)

- Deployed OpenStack infrastructure using Ansible automation with multi-node architecture including controller, compute, and storage services (Keystone, Nova, Neutron, Glance, Cinder).

AI Engineer Intern, Talan Tunisia 07/2025 – 09/2025 Tunis, Tunisia (On-site)

- Developed an AI tool to support entrepreneurs from ideation to market launch.
- Won gold prize and first place at Talan SummerCamp 2025 for innovative AI-powered business solution.

Intern, Société Variété Industrielle 07/2024 – 09/2024 Tunis, Tunisia

- Built a Flutter app with ESP8266 for remote lighting control via WebSocket with manual and automatic modes.

Robotics Teacher, LoQuman School / HackSpace 09/2023 – 11/2024

- Designed and delivered hands-on robotics lessons.
- Supervised lab equipment and guided student projects.

IT Online Teacher, Easy-Ways Academy 01/2023 – Present (Remote)

- Taught computer architecture, C/C++, MIPS assembly, and SQL fundamentals.
- Created tailored technical courses with academic and practical approaches.

Education

Engineering Degree in Computer Science, Faculty of Sciences of Tunis 2021 – Present Tunis, Tunisia

- **Cloud, Networks & DevOps:** AWS deployments, OpenStack, cloud security, CI/CD practices, networking.
- **Software Development:** Java/JEE (servlets, JSP, EJB), distributed apps, Node.js, PHP/Laravel, React, Flutter.
- **Programming:** C/C++, Python, JavaScript, SQL/PLSQL, HTML/CSS.
- **Databases & Systems:** Linux admin, database design, distributed systems.
- **Embedded Systems:** ARM, MIPS, VHDL, ESP32/Arduino with sensors.

Projects

- **OpenStack Private Cloud Infrastructure Deployment** (OpenStack, Ansible) - Automated multi-node private cloud.
- **AWS Deployment of Full Stack Application** (AWS, React, Flask, MySQL, S3, ALB, Auto Scaling, CloudWatch) - High availability & monitoring.
- **Brand Orb AI – Startup Support Platform** (Python, Next.js, FastAPI, LangChain, AI Agents) - AI-driven business lifecycle tool.
- **Flutter App for Exterior Lighting** (Flutter, ESP8266, WebSocket, Firebase).
- **ESP32 FPV Car with Sensors** (ESP32, C++, IoT sensors).
- **Car Renting SOA Web Application** (Node.js, Express, REST API, MySQL).
- **Library Management System** (Java JEE, MySQL).
- **Loquman E-Learning Admin Dashboard** (PHP, Laravel, SQL).
- **Ekrili – House Renting Management Software** (Java, SQL).
- **Wide Eye – Nature Website Photo Album** (HTML, CSS, JavaScript).
- **Tic Tac Toe game (AI bot)** (C programming).

Certifications

- Microsoft Certified: Azure Fundamentals
- Oracle Cloud Infrastructure (OCI) 2025 Foundations Associate
- Oracle Cloud Infrastructure (OCI) 2025 Architect Associate
- Oracle Cloud Infrastructure (OCI) 2025 Migration Architect Professional
- Multicloud Network Associate – Aviatrix Certified Engineer (ACE)

Volunteering

Mentor & Cloud Department Lead, Google Developer Groups on Campus – FST 09/2024 – Present

- Mentor the new club organizer, supporting their leadership skills.
- Lead cloud-focused workshops, technical sessions, and real-world project mentorship.

Organizer, Google Developer Groups on Campus – FST 09/2022 – 08/2024

- Coordinated developer events, workshops, and hackathons on campus.

Media Manager, Google Developers Student Club FST 01/2022 – 08/2024

- Led media and communications strategy.

Member, Google Developers Student Club FST 09/2021 – 12/2021

- Participated in workshops, coding sessions, and community activities to support tech learning.

Volunteer, Red Crescent Tunisia 2015 – 2019

- Supported humanitarian aid operations and local community services.