

Mohamad Hajar

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PROFILE

Computer & Communications Engineering student at Universite Antonine (Systems and Networks, GPA 3.1/4.0). Built full-stack web apps, a Java desktop POS system, and an AI predictive maintenance model using CNN-LSTM deep learning. Holds three Cisco CCNA certifications. Fluent in Arabic, English, and French.

EDUCATION

B.Eng. Computer & Communications Engineering — Universite Antonine 2023 – 2028
Systems Track | GPA: 3.1 / 4.0

PROJECTS

Aircraft Engine RUL Prediction — CNN-LSTM Deep Learning 2025 – 2026

Live demo: <https://melodious-gingersnap-a5701c.netlify.app/>

Trained a CNN-LSTM model on the NASA C-MAPSS dataset achieving 23.5% RMSE improvement over a Random Forest baseline; reduced dangerous late predictions by 69.9%.

- Built an interactive results dashboard with Chart.js; implemented in **Python / TensorFlow / Keras** with sliding-window preprocessing.

StreamVerse — Full-Stack Movie Streaming Platform Nov 2024

- Deployed using **Node.js, Express, MySQL** with JWT auth, responsive Bootstrap UI, and Nginx on a Linux VPS; 500+ titles with sub-2s page loads.

Resto-POS — Restaurant Point-of-Sale System Dec 2024

- Desktop POS in **Java / JavaFX / Swing + MongoDB** with real-time order management and sales reports; cut client order time by ~30%.

Coffee Shop — E-Commerce Web App | SalesTrackDB — Database Design Jan – Mar 2024

- E-commerce site (HTML, CSS, Node.js, MySQL) with admin dashboard; normalised relational DB with E/R diagrams, stored procedures, and PL/SQL triggers.

TECHNICAL SKILLS

Programming: Java, C++, Python, JavaScript, MATLAB

AI & Data: TensorFlow, Keras, CNN, LSTM, scikit-learn, pandas, NumPy

Web: HTML5, CSS3, Node.js, Express.js, EJS, Bootstrap, REST APIs

Databases: MySQL, MongoDB, SQL, PL/SQL

Networking: TCP/IP, VLANs, OSPF, Cisco IOS, Packet Tracer

Tools: Git/GitHub, Linux (Kali, Ubuntu), AutoCAD, Photoshop, Proteus

CERTIFICATIONS

Cisco CCNA 1 – Introduction to Networks (40 hrs) — Universite Antonine 2023

Cisco CCNA 2 – Routing & Switching Essentials (40 hrs) — Universite Antonine 2024

Cisco CCNA 3 – Scaling & Connecting Networks (40 hrs) — Universite Antonine 2024

Microsoft Azure AI Essentials Professional Certificate — Microsoft / LinkedIn 2025

Career Essentials in GitHub Professional Certificate — GitHub 2025

Boost Your Productivity with AI Tools 2025

LANGUAGES

Arabic (Native) • **English** (Fluent, C1) • **French** (Fluent, B2)