

# Jad SAAB

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## SUMMARY

Aspiring Full Stack and Machine Learning engineer seeking hands-on experience through an internship or part-time role. Passionate about applying data-driven solutions and advancing technical skills in practical settings.

## EDUCATION

### Antonine University, Lebanon, Baabda

Bachelor of Engineering in Computer and Communications Engineering (Present).

- Focus on Software Engineering | Expected Graduation: June 2026.

## EXPERIENCE

### AI and Machine Learning Intern – Inmind.ai Academy      July 2025 – August 2025

- **Machine Learning:** Built and tuned models used by multiple agents for simple prediction tasks.
- **NLP:** Processed text inputs so agents can interpret user goals and return basic recommendations.
- **Generative AI:** Used LLMs with LangGraph and Google ADK to coordinate interactions across agents in the system.
- **Synthetic Data:** Used NVIDIA Omniverse to create synthetic data and improve model testing.
- **Deep Learning:** Applied PyTorch and TensorFlow for object detection and segmentation tasks.
- **MLOps:** Tracked experiments and managed lightweight deployments using MLflow and Docker.
- **Version Control:** Organized and tracked project changes using Git and GitHub.

### IT Intern – SNA Lebanon – Head Office, Hazmieh      July 2024 – October 2024

- Configured and maintained network infrastructure (switches, routers, VPNs).
- Monitored system performance, supported cybersecurity activities, and ensured IT reliability.
- Diagnosed and resolved technical issues, optimizing infrastructure solutions in coordination with the IT team.

## CERTIFICATIONS

- CCNAv7: Switching, Routing, and Wireless Essentials (Cisco) – 2023.
- CCNAv7: Introduction to Networks (Cisco) – 2022.

## PROJECTS

**AI & Data Science:** License Plate Detection (Jupyter, OpenCV), Multi-Agent Fitness System (Python, FastAPI, LangChain, Gradio).

**Software Development:** Student Info System (JavaFX), Library API (Spring Boot, MongoDB), Interactive Dictionary (C++).

**Full-Stack Web:** Laravel & PHP Apps, Interactive Web Platforms (HTML, CSS, JS, SQL).

**Mobile Development:** Android Apps with Firebase (Java, Cloud DB, Auth).

**IoT Systems:** Sensor Monitoring (Python, Raspberry Pi, Automation).

**Network & Web Automation:** Data Scraping & Network Tools (Python, Selenium, APIs).

**Advanced Programming:** Desktop Apps (C#, .NET, OOP, DB Integration).

## SKILLS

- **Programming:** Java, Python (ML/DL/NLP, PyTorch, Keras, FastAPI), C++, C# (.NET).
- **Web Development:** HTML, CSS, JavaScript, Node.js, Laravel, Gradio.
- **Databases:** SQL (PL/SQL, MySQL), NoSQL (MongoDB), Firebase.
- **AI & Data Science:** Machine Learning, Deep Learning, NLP, Image Processing, LangChain, LangGraph, Synthetic Data.
- **Tools & Platforms:** Git, GitHub, Docker, MLflow, Raspberry Pi.

## SOFT SKILLS

- Communication
- Problem Solving
- Teamwork
- Time Management

## LANGUAGES

- **Arabic:** Native
- **English:** Fluent