

Jad Al Halabi

Computer Engineering Student | AI Engineer | Python Backend Developer

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EDUCATION

Lebanese American University (LAU)

Bachelor of Engineering in Computer Engineering. | IEEE Member

2025 – Present (Expected Grad: 2027)

Lebanese American University (LAU)

Bachelor of Science in Computer Science. | IEEE Member

2024

EXPERIENCE

Data Analyst and Engineering Intern

InMind.ai (On-Site)

Feb 2026 – Mar 2026

- **Built and transformed** large-scale datasets using **PySpark**, **Palantir Foundry**, and Quiver, structuring raw data into production-ready formats to support analytics pipelines and reporting workflows.
- **Designed and managed** data pipelines with **validation and monitoring**, ensuring **data quality**, **scalability**, and reliable insights.

SOC Analyst Intern

Midis Group, Qatar (Remote)

Oct 2025-Mar 2026

- Monitored and analyzed security incidents using **SIEM tools**, contributing to threat detection and incident response workflows.
- Built monitoring pipelines using **Microsoft Sentinel on Azure**, aggregating logs from Windows and Linux systems via AMA and implementing rule-based alerting for threat detection.
- Created detection rules, alerts, and dashboards to identify suspicious activity, improving incident detection and response efficiency.

Data Science Intern

COG Developers (On-Site)

Mar 2025 – Jun 2025

- **Developed** an **AI-powered news analysis pipeline**, increasing prediction accuracy from **87% to 93%**.
- Implemented **NLP** and machine learning techniques to extract insights from unstructured text data.
- **Built and deployed** an AI Powered News Analysis Pipeline using **LangChain** and **BERT** transformers on **AWS**.

Data Science Research Assistant

LAU (On-Site)

Sept 2024 – Mar 2025

- **Built predictive models** achieving **84% accuracy** using **XGBoost**, neural networks, and feature engineering.
- Processed and analyzed 10K+ datapoints by applying predictive modeling to support research in data-driven decision-making.

Software Engineering Intern – Full Stack

IDS (Remote)

Aug 2023 – Sept 2023

- **Developed a backend system** using **ASP.NET Core** and **Microsoft SQL Server**, building RESTful APIs and server-side logic for a meeting room booking platform, improving data handling efficiency and system scalability.

PROJECTS

AI Powered News Analysis

- **Built and deployed** an AI-powered application using **Flask** and **FastAPI**, integrating **OpenAI**, **Hugging Face**, and **LangChain** agents for real-time NLP inference, deployed on **AWS EC2**. Deployed and accessible at <https://www.teledock.news/en>.
- **Designed RESTful API** endpoints to process text data and deliver real-time AI predictions.

LLM-Based Academic Scheduling and Course Recommendation Assistant

[GitHub Repository](#)

- **Built** an AI academic assistant using **RAG** with **ChromaDB** and **Qwen embeddings (2048-dim)**, enabling semantic search over 2,400+ courses for the Lebanese American University.
- Designed a hybrid retrieval pipeline (vector search + Qwen reranking) and a **LangChain agent** using **Gemini** for reasoning, scheduling, and natural language interaction.
- **Developed FastAPI backend APIs** for real-time course search and schedule generation with constraint handling (credits, prerequisites, conflicts) and explainable outputs.

CERTIFICATES

AWS Certified Cloud Practitioner | Supervised Machine Learning: Regression and Classification – DeepLearning.AI | Advanced Learning Algorithms – DeepLearning.AI | AI Prompt Engineering – DataCamp.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, JavaScript
- **Technologies:** FastAPI, Flask, AWS, SQL, Git, GitHub, APIs, Docker, PostgreSQL, MySQL, Postman, REST, OpenAI API, GeminiAPI, QwenAPI, Hugging Face Transformers, Vector Databases, ChromaDB, Embeddings, Semantic Search, RAG, LangChain, Scikit-learn, TensorFlow, PyTorch, XGBoost, NLP, Prompt Engineering