

# Karim Abi Aad

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## EDUCATION

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### American University of Science and Technology

Beirut

B.S. in Computer Science

Expected Graduation, June 2026

- o **Concentrations:** AI and Cloud Computing
- o **GPA:** 3.81/4.00
- o **Related Coursework:** Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications, Cloud Computing, Computer Networks

## Experience

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### NetVariant

Beirut

Backend Developer Intern

Mar 2025 - Oct 2025

- Collaborated with senior engineers to architect and implement core backend modules for a custom enterprise e-commerce application using the Moqui Java framework.
- Developed RESTful services handling product catalog, user authentication, shopping cart, and order processing, ensuring high performance and scalability.
- Extended and customized Moqui components to build an interactive, real-time administrative dashboard for analytics and reporting.

### Code Alpha

Virtual

Data Scientist Intern

Jun 2024 – Jul 2024

- Researched and sourced relevant datasets from platforms like Kaggle, laying the groundwork for predictive model development.
- Developed an LSTM model using Python in Jupyter Notebook, leveraging TensorFlow, NumPy, and Scikit-Learn for enhanced accuracy.
- Optimized model architecture and hyperparameters, improving predictive performance and contributing to Code Alpha's data-driven strategies.

## Projects

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### Finance Tracker Web App (HTML, CSS, Django)

May 2025

- Launched a secure cloud server using AWS EC2, installed and configured Ubuntu, Python, and Django.
- Deployed a Django web application using Gunicorn and Nginx to serve traffic efficiently.
- Registered and configured a custom domain name using AWS Route 53 with DNS records pointing to the EC2 instance.
- Set up SSL certificates and enabled HTTPS using Let's Encrypt, ensuring encrypted and trusted connections.
- Implemented server security best practices, including firewall rules, SSH key access, and automatic certificate renewal.

### Stock Predictor(Python, Tensorflow, Keras, Numpy, Scikit-Learn)

Jun 2024

- Engineered an LSTM model to forecast stock prices, boosting accuracy through advanced data preprocessing and architecture optimization.
- Integrated real-time stock data using Alpha Vantage API, enhancing prediction relevance.
- Refined model with hyperparameter tuning, elevating predictive accuracy.

### Inventory Control Management System (SQL, Microsoft Access)

April 2024

- Implemented customizable SQL-based inventory tracking with adjustable stock levels, reorder points, and product-specific attributes.
- Designed and managed multi-warehouse inventory system for optimized stock transfers and product availability monitoring.
- Integrated provider and customer management for streamlined order, delivery, and warehouse transfer tracking.

## **SKILLS**

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**Programming Languages:** Java, Python, HTML/CSS, SQL, C++, XML, JQuery, C#, PHP

**Frameworks/Tools:** Android Studio, IntelliJ, Jupyter Notebooks, Visual Studio Code, Microsoft Access, JSP, Eclipse, SSMS, Linux(Ubuntu), Azure, Keras, Numpy, Scikit-Learn, Tensorflow, AWS, Postman, Swagger, Moqui