Karen Jaffal

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Education

Lebanese University,Hadath, Lebanon	Oct 2022 – July 2025

- GPA: 3.8/4.0
- Explored core topics such as programming, algorithms, data structures, software. development, databases, and computer systems.
- Gained hands-on experience through academic projects.

ZAKA Machine Learning Certification	Sep 2024 – June 2025

- Developed expertise in machine learning algorithms and applications.
- Built models and gained practical experience through weekly challenges.
- Explored data preprocessing, model building, optimization, and AI deployment techniques.

AWS re/Start	Nov 2024 – Jan 2025

- Learned AWS cloud architecture and core services.
- Applied cloud computing concepts directly through hands-on labs and projects.

Professional Experience

TECHlarious, Beirut,Lebanon	July 2024 - Oct 2024

Internship - Full-Stack developer

- Learned essential concepts in web development, focusing on React.js for the frontend and Node.js for the backend.
- Gained proficiency in the MERN stack by participating in team projects.
- Collaborated with a team to develop practical solutions and build user-friendly, sustainable software products.

Other Experience

Private Tutoring, Beirut,Lebanon	Oct 2021 - Present

- Provided personalized tutoring for students in computer science and related subjects.
- Helped students improve their understanding and performance through tailored teaching methods.

Projects

Recipe Recommendation System
- Built a web app that recommends recipes based on ingredients or food images.
- Used LangChain with a vector database for semantic search over recipes.
- Integrated a pretrained vision model and deployed the app with Flask and Docker.
- Displayed recipe cards instantly after user input via a simple interface.

Tea Shop Ecommerce Website
- Created a dynamic tea store interface using HTML, CSS, and JavaScript.
- Implemented product filtering, cart functionality, and interactive UI features.
- Designed a user-friendly layout focused on clear structure and usability.

House Management System
- Developed a web-based system to manage house listings, tenants, and payments.
- Used PHP for backend logic and MySQL for data storage and retrieval.
- Enabled admins to add, update, and delete house and tenant records through a secure dashboard.

Technical Skills and Certifications

Tools & Languages: *Python, MySQL, AWS, MongoDB, JavaScript, React, MERN, Linux, PHP, C/C++, Java, HTML, CSS, Tailwind CSS, ASP.Net, C#*

AWS Certified Cloud Practitioner – Validates knowledge of AWS cloud concepts and services
Badge
Meta Front-End Developer Professional Certificate – Completed 9-courses from meta that demonstrates skills in front-end development with React, HTML, CSS, and JavaScript. Badge