

# Raneem Al Haj Hassan

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## Work Experience

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### Frontend Developer

### Cloudlinks AI

August 2025 – Sep 2025

Beirut, Lebanon

- Developed strong skills in modern frontend technologies including **React**, **Tailwind CSS**, **Shadcn**, **TanStack**, **Zustand**, **i18next**, **TipTap**, and **Zod**.
- Built **responsive**, reusable UI components and complex interactive applications; gained experience in API integration, debugging, and **state management**.
- Delivered structured projects, culminating in a **Jira-like** task management system and an **analytics dashboard** with charts, **authentication**, and **internationalization**.

## Projects

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### Career Consultation Platform

- **Multi-Agent AI & RAG Pipeline**: Engineered a career guidance system using **LangGraph** to orchestrate specialized agents for **RAG-based** document retrieval, course recommendations, and job matching, utilizing **ChromaDB** for vector storage and **sentence-transformers** for semantic embeddings with an LLM-powered fallback retry logic.
- **Web Frontend Development**: Developed a type-safe, multilingual (English/Arabic) web interface using **React 19**, **TypeScript**, and **Zustand**, implementing secure communication with **RESTful APIs** using **Axios** and interceptors for **JWT-based authentication**.
- **Cross-Platform Mobile Development**: Built a performant mobile application using **Flutter** and **Provider** for reactive state management, incorporating **HTTP** for secure backend integration and **shared\_preferences** for local **JWT token** persistence.
- **Data Visualization & UI**: Integrated **Tailwind CSS**, **Shadcn UI**, and **Lottie** for high-fidelity interface design, featuring interactive student result and financial analytics dashboards built with **Recharts** and **fl\_chart**.

## Technologies

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- **Technologies**: React 19, TypeScript, Vite, Zustand, Flutter, MySQL, Java, Spring Boot, Python, FastAPI, PHP, Laravel.
- **Other**: Docker, LangGraph, LangChain, RAG (Retrieval-Augmented Generation), ChromaDB, Tailwind CSS, Shadcn UI, Axios, Provider (State Management), JWT Authentication, Git, Bitbucket, Jira.

## Education

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- **B.Sc. Computer Science**, Al-Maaref University | **GPA: 3.77/4.0** **2022 – 2026**

## Languages

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- Arabic (mother-tongue)
- English (good)