

Jassem El Danaf

Tel: +961-70151699 | +965-96788424 | Email: jne16@mail.aub.edu | [LinkedIn](#)

Education

American University of Beirut (AUB)

Bachelor's degree in Computer Science and Engineering

Aug. 2022 – Present

Graduation date: June 2026

Work Experience

Diyar United Company – Internship

Apr. 2026 – Present

- Built and iterated on React SPA components across 7 modules including AI CV scoring, shortlisting, and scheduling
- Built n8n automation pipelines integrating React, PostgreSQL, and a local LLM to handle end-to-end hiring workflows
- Validated 15+ REST API endpoints and tested end-to-end flows across a full HR automation pipeline

BASMA.com – Internship

Oct. 2025 – Jan. 2026

- Built event-driven automations integrating Trello, NAS, and file systems via n8n to replace manual workflows
- Delivered automation solutions with robust data mapping and safeguards to improve reliability and handoff quality

Gulf Business Machines – Internship

June 2025 – Aug. 2025

- Helped develop an AI chatbot for Kuwait Ministry of Interior using IBM WatsonX
- Tested REST API responses and validated LLM output quality across chatbot conversation flows

American University of Beirut – Resident Assistant

Aug. 2025 – May 2026

- Served as first point of contact for 250+ residents, triaging concerns and escalating to the Housing Office

National Bank of Kuwait – Internship

Aug. 2023 – Sep. 2023

- Explored the engineering and product operations behind Weyay, NBK's mobile-first digital bank, and attended sessions on data security
- Co-assessed operational processes with Creative Confidence consultants and produced structured improvement recommendations

Extracurricular Activities

Innovation Park AUB Student Branch – Partnerships Director

Aug. 2025 – May 2026

- Secured 5+ partners for startup fairs and internships, negotiating packages and coordinating activations
- Led a 5-person team to hit revenue targets, track pipeline conversion, and deliver partner benefits on schedule

Association of Energy Engineers AUB – Public Relations Officer

Aug. 2025 – May 2026

- Secured sponsors and partnerships, negotiating benefits and managing outreach to grow member engagement

Projects

Virtual Power Plant – Final Year Project

Aug. 2025 – Present

- Trained forecasting agents, tracked MAE/RMSE, and iterated on features to improve prediction accuracy
- Built PV and load forecasting for multi-home data at hourly resolution using TFT with XGBoost

Cognify – AI Research, AUB Maroun Semaan Faculty

Jan. 2026 – Present

- Helped build a multimodal AI system combining computer vision, emotion detection, and conversational AI for dementia patients
- Developed a Next.js clinical dashboard with redesigned auth flow and live reports pulling data from backend endpoints
- Built a cross-platform Flutter app with cognitive games, score submission, and role-aware navigation for dementia patients

ShopCloud – E-Commerce Platform, DevSecOps Course

Jan. 2026 – May 2026

- Built an async invoice pipeline using AWS SQS and Lambda to handle order processing and email delivery
- Built a checkout service with transactional database logic to safely handle concurrent orders and inventory updates
- Deployed a React + Node.js e-commerce platform across 5 microservices on AWS with PostgreSQL and Redis

Online Banking System – Software Security Course

Nov. 2025 – Dec. 2025

- Architected a Flask multi-service backend with RBAC and secure authentication for an online banking application
- Performed OWASP-aligned testing for SQL injection and XSS; validated account, transfer, and audit-log flows end-to-end

ShareBook – Campus Textbook Marketplace

Feb. 2025 – May 2025

- Shipped a React SPA with search, dynamic listings, and trending features for AUB campus students
- Containerized with Docker and managed collaborative development through Git/GitHub pull-request workflow

Licenses & Certifications

Getting Started with Data – IBM SkillsBuild

June 2025

Data Wrangling, SQL, Python, CSV/JSON, Dashboards and Visualization, Excel, Data Ethics

Skills

Languages: Arabic (Native), English (Fluent)

Computer Skills: Python, TypeScript, JavaScript (ES6+), React, FastAPI, PostgreSQL, SQL, Docker, AWS, REST APIs, Git/GitHub, Node.js

Soft Skills: Ownership, Systems Thinking, Communication, Analytical Thinking, Problem-Solving, Ethical Judgment

Interests: Fitness, Reading, Challenges