

Kawthar Shaalan

Beirut, Lebanon | +961 81 045 597 | kawtharshaalan789@gmail.com | [linkedin](#)

PROFESSIONAL SUMMARY

Results-driven Computer Science graduate with a strong foundation in full-stack development and a proven ability to deliver data-driven solutions. Eager to apply technical expertise in Python, FastAPI, and modern web frameworks to solve complex client challenges in a dynamic consulting environment.

SKILLS

- **Development & Web Technologies:** Python, FastAPI, PHP, Laravel, JavaScript, React, Java, C++
- **Data & Artificial Intelligence:** Pandas, Langchain, langgraph, MySQL, Predictive Modeling
- **Tools & Methodologies:** GitHub, n8n, docker, OOP, Data Structures & Algorithms, Design Patterns, Agile Methodologies
- **Languages:** English (Professional), Arabic (Native)

EXPERIENCES

- **Internship Consulting Project: Student Retention Prediction System** July 2025 – Sept 2025
 - Developed a predictive model leveraging historical student data, reducing manual oversight needs and proactively identifying at-risk students.
 - Engineered a scalable FastAPI backend to serve model predictions, enabling seamless integration with the university's existing PHP-based dashboard.
 - Collaborated with stakeholders (academic staff) to define requirements and implement data-driven intervention strategies, ensuring the solution met business needs.
- **Lab Assistant - OOP & Data Structures Labs** October 2023 – May 2024
 - Guided students through core programming concepts using Java in lab sessions.
- **Work Study with Students Affairs** March 2023 – May 2024
 - Collaborated with staff to streamline student services and update university data systems.
 - Developed professionalism, time management, and problem-solving skills in an office environment.
 - Gained firsthand experience with university systems and student-related data.

PROJECTS

******AI Assistant for Injured People** March 2025 – June 2025
A voice assistant system to help injured people to perform daily tasks using ai agents and through voice commands.

Technologies: Python, FastAPI, Langchain, MySQL.

Main Features: Voice Commands | Personalized AI Agents | Multi-Modal Assistant | RAG System | Integration with external APIs.

leveraged Langchain to create AI agents capable of reasoning and executing tasks through API integrations.

******Code_it; Event Planning Project** December 2024 – February 2025
A web platform to facilitate university event management and seat reservations for student clubs.

Technologies: PHP, Laravel, MYSQL, Blade template.

Main Features: Event creation & management | Seat reservation System | User authentication & roles access control.

Built a full-stack web application from concept to deployment using the Laravel MVC framework, implementing secure user authentication and role-based access control.

EDUCATION

Bachelor of Science in Computer Science,

September 2022 - September 2025

Al Maaref University, Faculty of Science.

Cumulative GPA: 3.84