Kawthar Harakeh

Computer Science Graduate — Artificial Intelligence & Data Science

+961 71 159 539 | kawtharharakehh@gmail.com | linkedin.com/in/kawthar-harakeh | github.com/kawtharharakeh |

Beirut, Lebanon

PROFILE

Computer Science Graduate specializing in Artificial Intelligence and Data Science, with hands-on experience in full-stack web development, database design, and applied machine learning. Strong problem-solver who works well in Agile teams and communicates clearly across technical and non-technical audiences. Passionate about building practical, user-focused software and AI-driven solutions.

EDUCATION

Beirut Arab University — B.S. in Computer Science (AI & Data Science)
Cumulative GPA: 3.5. Coursework spans artificial intelligence, databases, object-oriented programming, and software engineering, complemented by several applied team projects.

Lebanese Brothers School — Life Sciences Section *Graduated June 2023*

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, PHP, HTML, CSS

Databases & Web: MySQL, SQL, XAMPP

Tools & Platforms: GitHub, Visual Studio Code, Eclipse, Microsoft SQL Server, Dev-C++, Notepad++

Core Skills: Problem Solving, Teamwork, Communication, Adaptability, Time Management, Agile Collaboration

Languages: English (Advanced), Arabic (Native)

EXPERIENCE

Mobile App Development Intern — Coding & Create (Remote) *May 2025 – Jun 2025*
Collaborated with a remote Flutter team to build real-world cross-platform mobile applications. Gained hands-on experience with Dart development and agile workflows in a fully remote setting.

PROJECTS

BAU Medical e-Portfolio — Senior Project *Jan 2025 – May 2026*
Contributing to a centralized platform for BAU's Faculty of Medicine that manages residency training, assessments, and research submissions, built by a nine-student Agile team. Focused on Angular front-end development, dashboard design, and front-end/back-end integration, while also supporting requirements gathering, testing, and documentation.

Deep Learning: Nonlinear House Price Modeling with Neural Networks *May 2026*
Designed and compared Linear, 1-, 3-, and 5-layer neural network architectures to predict house prices on the Ames Housing dataset (2,930 homes, 79 features). Applied advanced preprocessing and PCA visualization; the 3-layer model performed best, reaching a 10.44% test MAPE. Built with Python, TensorFlow/Keras, and Scikit-learn.

Software Engineering: Pet Adoption Platform ("Pawpastic Place") *Jan 2025 – Present*
Collaborating with two teammates to build a user-friendly pet adoption platform with a streamlined, informative adoption process. Integrating AI features for personalized recommendations and real-time user support.

Database Design: Skill Market *Sep 2024 – Dec 2024*
Partnered with a teammate to design a database-backed platform for trading skills and courses among multiple user types. Modeled the system with an Entity-Relationship Diagram covering users, skills, transactions, and reviews.

Object-Oriented Programming: Veterinary Clinic Management System *Jan 2024 – May 2024*
Built a two-person Java application to manage clients, animals, and an integrated shop demonstrating client-animal interactions. Applied core OOP principles — aggregation, composition, polymorphism, and inheritance — and documented the design with a detailed UML class diagram.

Web Development: Café Shop Website *Jan 2024 – Apr 2024*

Collaborated in a three-person team to build a café shop website featuring a menu display, secure login/registration, and a customer feedback system. Implemented with HTML, CSS, JavaScript, PHP, and MySQL.

COMPETITIONS

LCPC Programming Competition *2024 – 2025 & 2025-2026*

Participated in the Lebanese Collegiate Programming Contest and earned a certificate for performance two times ,In where I fully trained sharpening algorithms and problem-solving skills in these 2 years.