

# Agnes Rahal

Computer Scientist

## CONTACT

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## PROFESSIONAL EXPERIENCE

### After-School Program Teacher (Fall-Winter 2024-2025)

Academic Support and Consultancy Institute -ASC-Bauchrieh

- Improved students' academic performance across multiple subjects.
- Delivered structured and interactive learning sessions.
- Maintained effective coordination with parents to support student progress.

### Personal Tutor (2021-2023)- Self-Employed

- Guided students (grades 6-10) to achieve higher results through personalized academic support.
- Prepared students for official exams with targeted study plans.
- Strengthened students' understanding of scientific and general subjects through adaptive teaching methods.

## EDUCATION

### Lebanese University-Faculty Of Science

Bachelor in Applied Mathematics-Computer Science 2023-2026

## PROJECTS(UNI)

### E-Learning Platform Database System

Designed and implemented the complete database for an online learning platform.

#### Key Work:

- Built the full ERD using draw.io and converted it into a normalized relational schema (3NF).
- Implemented the schema in SQL with primary/foreign keys, cascade rules, and bridge tables for M:N relations.
- Created and populated 11+ tables covering users, courses, assignments, submissions, and enrollments.
- Wrote and tested advanced SQL queries (JOINS, subqueries, aggregates) to validate system functionality.

Tech: SQL, draw.io, Relational Modeling, Normalization (3NF)

### Modeling Agency Front-End Website

Built a full multi-page front-end website for a modeling agency completely from scratch using HTML, CSS, and JavaScript.

#### Key Work:

- Developed a fully responsive front-end architecture with custom layouts, animations, and a mobile-friendly UI.
- Implemented multiple pages: Home, Models, Individual Model Profiles, Galleries, Services, and Contact.
- Created dedicated galleries for each model, using dynamic JavaScript rendering and lightweight image handling.
- Built a custom navigation system, sticky header, and interactive components (sliders, transitions, hover effects).
- Designed and styled the entire interface manually using pure CSS (flexbox, grid, animations).
- Implemented JavaScript interactivity for image galleries, filtering, form validation, and smooth UX workflows.
- Ensured cross-browser compatibility and clean semantic HTML structure.
- Tech: HTML5, CSS3 (Flexbox, Grid, Animations), JavaScript (DOM manipulation, events), Responsive Design

## SKILLS

Java, C++, HTML, CSS, JavaScript, ReactJS, SQL, Database Modeling & Normalization, Git, MATLAB, Problem Solving, Critical Thinking, Technical Communication, Teamwork, Collaboration, Project Management, Creativity, Innovation, Time Management, Adaptability.

## LANGUAGES

Arabic, English, French