Abdallah Fawzi Abdel Satar Salamah

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GitHub LinkedIn Email

Education

Student: **Faculty of Engineering Computer and Systems Engineering Credit hours department**
(2019 -2024**), Helwan** University.

Languages

Arabic: Native
English: Very Good
Spanish: A1

Internships

- **Internship - Radio & Television in Maspero (2021) (60 Hours)**

Gained practical experience in communication and radio systems by actively visiting the site, observing on-site operations, and attending informative lectures.

- **Internship - Data Analyst at ITI (2022) (80 Hours)**

Acquired practical skills and knowledge in data analysis. Responsibilities included handling and analysing datasets, extracting meaningful insights, and presenting findings, using tools like **Excel, Python & R.**

Courses

1. Flutter & Dart - The Complete Guide (2020 Edition).
2. Python & Data Science workshop (certified)
3. MS SQL Server, Fundamentals of Database Systems.
4. PHP Bootcamp 2022 in El zero Web School Channel.
5. Laravel From Scratch 2022 (Traversery Academia Crash Course)
6. How to Create Laravel API (Laravel Daily).
7. Flutter Mobile App with Laravel API (Laravel Daily)

Projects

- ***Wordle Game Project (GitHub link)***

Developed a Wordle game as a project for the Object-Oriented Programming course in college.
The project involved creating a full database using SQL and XAMPP local server to store and manage the leaderboard of users.

The following tasks were accomplished during the project:

- Created a database schema to store user information and game scores.
- Utilized SQL and XAMPP local server to establish a connection between the database and the application
- Implemented functions to calculate scores for each user based on their performance in the game.
- Implemented a sorting mechanism to order the scores from highest to lowest, enabling a fair and competitive leaderboard.

This project allowed for the practical application of object-oriented programming concepts and database management skills while developing an engaging Wordle game.

- ***Airlines System Project (GitHub link)***

Developed an Airlines System project as part of the Database course in college.

The project involved designing and implementing a full-fledged database using SQLite and integrating it into a Python GUI.

The following tasks were completed during the project:

- Created a comprehensive database schema using SQLite to represent the Airlines System.
- Ensured the correctness of connections between tables and provided accurate information in the database.
- Implemented query functionality to allow users to input queries and retrieve correct results from the database. Designed and drew an Entity-Relationship (ER) diagram to visualize the relationships between entities in the database.
- Created a relational diagram to depict the tables and their relationships.

This project showcased the application of database concepts and SQL skills in creating an efficient and functional Airlines System. The integration of SQLite with a Python GUI provided an interactive and user-friendly interface for accessing and querying the database.

- ***FoodZilla Application (GitHub link)***

Developed a user-friendly food delivery application with an appealing UI design for Software engineering course.

Tasks completed:

- Utilized Figma to create a comprehensive design for the entire FoodZilla application, ensuring a user-friendly and visually appealing interface. (**Design link**)
- Designed and drew an Entity-Relationship (ER) diagram to visualize the relationships between entities in the database.

- Created a comprehensive database schema using SQLite to represent the FoodZilla application.
- Implemented query functionality to allow users to input queries and retrieve correct results from the database.
- Actively collaborated in creating various pages within the application using the Flutter framework,ensuring seamless integration between the frontend and the backend.

- ***Flutter Mobile App with Laravel API ([GitHub link](#))***

Developed a mobile app using Flutter and Laravel API for seamless communication and secure user interactions.

Tasks completed:

- Achieved a well-structured Laravel API following RESTful conventions.
- Successfully implemented Laravel Sanctum for secure authentication.
- Applied multi-tenancy so each user would see their own data - both from Laravel and Flutter sides.
- Developed mobile app screens with a user-friendly Material Design.
- Organized Flutter app files for efficient development and maintenance.

- ***Laragigs([GitHub link](#))***

Developed a job listing website using Laravel

Tasks completed:

- Initiated a Laravel project, set up routing, and managed responses.
- Created and migrated databases, implemented Eloquent models, and utilized database seeding.
- Developed UI using Blade templates and components, incorporating theme-specific HTML.
- Implemented advanced features like file uploads, pagination, and user authentication.
- Explored controllers, middleware, and relationships in Laravel, ensuring effective Tinker usage and user authorization.

Technical skills

- **Web Development:** Html, CSS, JavaScript
- **Database Technologies:** SQL (MySQL), NoSQL (MongoDB)
- **Framework:** Flutter (Dart), Laravel (PHP)
- **Design Tools:** Figma
- **Programming languages**: C,C++,Dart, PHP,Python