

# Joanna MOUSSA

Full-Stack Web Developer

 [joannamoussa.com](https://joannamoussa.com)

Rouen, France

[joannamoussa.jm@gmail.com](mailto:joannamoussa.jm@gmail.com)

 [JoannaMoussa](#)

 [Joanna Moussa](#)

## PROJECTS

### CourseMedia – Full-Stack Online Courses Platform ([Code](#) | [Demo](#))

- Designed a robust relational database schema to store users and courses data, and implemented it using Django's Object-Relational Mapping (ORM).
- Utilized HTML, CSS and JavaScript to create an intuitive and responsive user interface.
- Implemented the Back-End using Django. Functionalities include: user authentication, role-based actions, course creation with its corresponding quiz, course enrollment, certificate generation and download.

### FooDelivery – Front-End Online Grocery Store ([Code](#) | [Demo](#))

- Utilized ReactJS, leveraging its effective state control, specifically for the shopping cart state.
- Utilized Firebase to store the data, coupled with data fetching using TanStack Query library.
- Integrated a shopping cart system, with full control over products and quantities.
- Implemented product browsing: search, filter, and sort.
- Implemented a completely responsive design for optimal viewing on all devices.
- Integrated React Router for routing functionalities.
- Utilized Framer Motion library to enhance UX with smooth transitions/interactive elements.

## EDUCATION

### React - The Complete Guide — Udemy ([Certificate](#))

August 2023 - December 2023

- Mastered core ReactJS concepts including components, states, and hooks.
- Gained advanced understanding of custom hooks, portals, and side effects.
- Mastered widely used React libraries, including Redux for context management, React Router for efficient routing, TanStack Query for data fetching and Framer Motion for animations.

### HarvardX: CS50's Web Programming with Python and JavaScript — edX ([Certificate](#))

December 2022 - July 2023

- Gained a deep understanding of Django, the Python-based web framework.
- Used JavaScript and CSS for Front-End development, focusing on enhancing user experience.
- Developed the ability to design databases, grasped the fundamentals of SQL and Django ORM.
- Delved into the creation of APIs.
- Explored key concepts in scalability: vertical and horizontal scaling, load balancing techniques, autoscaling and Single Point of Failure.

\* [More info on career switch to Computer Science in Portfolio](#)

### Master in Functional Genomics and Proteomics — Saint Joseph University, Beirut

September 2018 - July 2020

- Grade: 84.83/100
- Rank: 2/15

## SKILLS

**Front-End:** HTML, CSS, JavaScript, Bootstrap, ReactJS, Redux, React Router, TanStack Query, Framer Motion.

**Back-End:** Django.

**Programming Languages:** JavaScript, Python, C++, SQL.

**Tools:** Git, Visual Code.

## LANGUAGES

- Arabic - Native
- French - Bilingual
- English - Fluent
- Italian - Intermediate