

Mohammad Omar

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Core Skills

- HTML
- CSS
- Tailwind CSS
- MySQL
- Git & GitHub & GitLab
- JavaScript & TypeScript
- Three.js
- React.js
- Next.js
- Flutter & Dart

Additional Skills

- **Languages:** Arabic(Native), English(Fluent).
- **Clean Architecture:** Layered Architecture with Next.js.
- **App-Wide State Management:** Redux Toolkit for Next.js and React.js.
- **Third-Party Libraries:** like React Router Dom, Tanstack Query and Framer Motion with React.js.

Education

Damascus University

October 2021 - Present

Faculty of Information Technology Engineering(ITE)

Fourth Year Student

Project Experience

➤ **TriPlanner: A Syrian Tourism Application**

College Project

Admin Dashboard with React.js.

Key Achievements:

- Authentication and Authorization.
- Allowing the admin to add new services and service owners (Hotels, trips, ...), check the statistics and delete services.
- Data fetching and mutating with Tanstack Query.
- App-wide state with Redux Toolkit.
- Animating the app with Framer Motion.

➤ **PharmaStore: Medication Warehouse Management**

College Project

Mobile and Web applications with Flutter.

Key Achievements:

- Authentication and Authorization.
- Working with http package to fetch and mutate data.
- Mobile application to allow the user to browse, search and order existing medicines.
- Web application to allow the admin to add, edit and delete medicines and orders.

➤ **Submarine Movement Simulation**

College Project

A complete simulation of the submarine's movement with physics.

Key Achievements:

- A realistic scene with Three.js (realistic water and objects paths to simulate a real environment and add some life to it).
- Using JavaScript to apply physics, and update the values on user's interaction each and every frame.
- Smooth movement with GSAP, matching the results when applying the physics.