Muhab Alakroot
Software Engineer

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Skills

BACKEND DEVELOPMENT | • Express
• NodeJS • JAVASCRIPT • MongoDB • Mongoose

FRONTEND DEVELOPMENT | • VueJS
• JAVASCRIPT •Bootstrap • HTML • CSS

OTHER| • git • Github • Canva
• Adobe Photoshop

LANGUAGE |English language at C1 level

Education

University of Tripoli

Faculty of Information Technology

⊕Libya, Tripoli   ⌛March 2018

- Associated with the Software Engineering Department
- A student in the last semester
- Completion of 122 credits out of the 135 required for a bachelor's degree. GPA of 81.28%.

Competition

Hackathon EDUHACK

Within the RAQAME project funded by the French government and implemented by Expertise France

⊕Libya, Tripoli   ⌛March 2022

- We represented the Faculty of Information Technology at the University of Tripoli in a competition with teams from various technical faculties in Libya.
- Lead our team of four people, each of whom has skills in different fields.
- Within four years, we have developed the idea of a site that uses artificial intelligence and machine learning to suggest suitable majors for students who are about to enroll in academic studies.

Projects

Coach-Master with Vue.js

This project helped me Understand:

- The **Basics** (including the basic Syntax, and Templates).
- How to Output **Reactive Data** & Listen to **Events**.
- **Interacting with DOM** (Rendering Lists, Conditionally attaching/ detaching Elements ...).
- Setting up a **Development Environment** and **Workflow**.
- Using **Components** (and what Components are to begin with).
- Binding to **Form** Inputs.
- Sending **Http Requests** to Backend APIs.
- **Authentication** & Vue.
- Creating a **Single-Page-Application** (SPA) with **Routing**.
- Improving State Management by using **Vuex**.

Natours with Node.js, Express, and MongoDB

This project helped me Understand:

- The Fundamentals of **Node.js**, core modules, and NPM (Node Package Manager)
- The Fundamentals of **Express** (Node.js framework): routing, middleware, sending responses, etc.
- **RESTful API** design and development.
- **CRUD** operations with **MongoDB** database
- The Fundamentals of **Mongoose** (MongoDB JS driver): Data models, CRUD operations, **data validation**, and **middleware**
- Using the **MVC** (Model-View-Controller) architecture
- How to work with data in **NoSQL** databases
- **Data modelling**: relationships between data, embedding, referencing.
- Modern authentication with **JWT**: user sign up, log in, password reset, secure cookies.
- **Authorization** (user roles)
- **Error handling** workflows