

# ABDULLAH ELROUBY

Al-zohor street, Wadi EL Natrun, Bihera, Egypt

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## Education

### BHI-47

*Bachelor of Computer Engineering*

Last semester GPA : 3.14

Sep. 2021 – Present

*Bihera, Egypt*

## Relevant Coursework

- Data Structures
- Discrete mathematics
- Intro in Microprocessor
- communication system
- OOP
- Database Management
- Assembly
- Algorithms Analysis
- Computer Architecture
- System programming

## Experience

### GDSC BHI-47

*PR core team member*

sep 2023 – present

*Alexandria, Egypt*

- Collected a data for some services(catering, gift shops, event halls and sponsors) for a past event and made deals with.
- Collected a data for some services(partners and sponsors) for a past event(IWD'24 Alexandria) and made deals with.

### Rouby Company for Civil Engineering

*Assistant Civil Engineer*

July 2020 – Present

*Wadi Alnatroun, Egypt*

**Adaptation & Efficiency:** Quickly learned and applied new tools, such as GPS/Total Station/Topcon Hiper VR, and introduced scripts for faster data transfer, reducing the workflow time from 6 hours to 30 minutes.

**Problem Solving:** Delivered creative solutions to meet unique client demands, ensuring high satisfaction.

**Growth & Innovation:** Explored advanced device features and techniques, minimizing site visits and expediting desert-based projects.

**Client Communication:** Effortlessly communicated with clients to understand their needs and explain technical details in an approachable way.

Maintained excellent client relationships, consistently receiving positive feedback for professionalism and high-quality results.

## Projects

### Rouby | *React, FireBase EmailJS, CSS, Bootstrap*

September 2024

- Developed a custom web portfolio from scratch showcasing key projects and professional skills using React.js.
- Implemented an interactive "My Projects" section that dynamically displays project details and technologies used.
- Integrated EmailJS to facilitate direct communication through a functional contact form within the "Contact Me" section
- Employed advanced HTML, CSS, and JavaScript to ensure a responsive and accessible user experience across multiple devices.
- Used Firebase Database to store my projects information.

### Weather App | *React, WeatherAPI.com, Geolocation Developer API, Bootstrap*

September 2024

- Engineered a dynamic weather application using React.
- Fetched weather data based on user's location using the Geolocation Developer API.
- Displayed real-time and forecast data including wind speed, humidity, and temperatures.
- Provided hourly weather updates for the current day and max/min temperatures for two days ahead.
- Allowed user searches by country, city, zip code, or state.

### Recipe Search Website | *HTML, CSS, JavaScript, Bootstrap, Forkify API*

September 2024

- Developed a recipe search platform that fetches data from the Forkify API.
- Implemented dynamic recipe recommendations based on user selections.
- Optimized performance by storing API responses in sessionStorage to reduce redundant requests.
- Designed a user-friendly interface that allows users to search and browse recipes across various categories.

### sign-up / log-in | *HTML, CSS, JavaScript, Bootstrap*

August 2024

- Developed a secure login and signup system with form validation to ensure user input accuracy.
- Created error handling for password resets, verifying user identity for forgotten passwords.
- Designed the UI to guide users through account creation and login with clear, helpful error messages.
- Implemented secure transmission of user data to the backend for processing and storage.

### Product Management System | *JavaScript, HTML, CSS, Bootstrap*

August 2024

- Developed a product management system with CRUD operations using browser localStorage.
- Implemented form validation with regex for enhanced input accuracy.
- Added sorting functionality to dynamically organize products by various fields.
- Designed an intuitive UI with error handling for a smooth user experience.
- Check it out here : <https://abdullahelrouby750.github.io/product-mangment-system-demo/>

### Hospital System | *C#, .NET, LINQ, EPPlus*

june 2024

- Developed a comprehensive system for managing patient and employee data, including visits, medications, and supply requests.
- Designed and implemented core classes, and created unit tests to ensure functionality.
- Integrated Excel as a temporary database using EPPlus for data storage and retrieval.
- Utilized LINQ for efficient data manipulation and querying.
- Future plans include converting to a WPF application and migrating to a more robust database system.

### World prayer | *dart, flutter, Android Studio*

April 2024

- Designed a sample prayer app that finds current location, shows local time and Islamic prayer times (today or any date).
- Uses location for Qibla direction. Lets you search prayer times for any place by name (uses REST Countries and MuslimeSalat APIs).

### Expression execution | *c++, Microsoft visual studio*

December 2023

- Developed a program that takes any mathematical function in 'x' -f(x)- with the wanted value of 'x'.
- Did not use any external libraries and only used a stack data structure.
- Re-coded it using tree algorithm and maintained the code for a faster and safer usage.

## Technical Skills

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**Languages:** HTML/CSS, JavaScript, Typescript, c++, c#, Dart, Python, SQL Server, MYSQL

**Developer Tools:** Microsoft Visual Studio, VS Code, Google Cloud Platform, Android Studio, SSMS, Firebase database

**Technologies/Frameworks:** Bootstrap, ReactJS, .NET, Flutter, GitHub, Git, EPPlus, Microsoft Office

## Soft Skills

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- problem solving.
- Teamwork and collaboration.
- Adaptability and Flexibility.
- Time Management.
- Work Ethic.