




# MEDHAT ASHOUR

## SOFTWARE ENGINEER

### CONTACT ME


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### EDUCATION HISTORY


-  **Bachelor of Electrical Engineering,  
Major in Computer Engineering AND  
Control Systems**  
University of Kafr EL-Sheikh  
2017 : 2022

### SKILLS

-  **software**
  - Data Structure
  - Algorithms
  - OOP
-  **web & Desktop**
  - JavaScript
  - React JS
  - Express Js
  - Node Js
  - Moongo Db
  - Axoio
  - Python
  - SQLite, MySQL
  - SqlAlchemy
  - Fast API
  - PyQt & Pyside
  - Git & GitHub
  - HTML
  - CSS ,CASS
  - Tailwind css
  - MUI & Bootstrap
  - Redux Toolkit
  - Three JS
  - Figma

-  **Military status**
  - Performed my military service**  
May 2023 : June 2024

### WORK EXPERIENCE

-  **SOFTWARE ENGINEER**  
part time software engineer at Ronan  
medical  
**May 2022: Jan 2024**
  - Collaborated with the front-end team to develop an intuitive GUI for brain activity measurement software.
  - Designed and implemented a local database to store critical data efficiently. and also would be able to work offline till the connection
  - Managed data flow within the application, ensuring seamless communication between components.
  - Facilitated data synchronization by fetching and uploading information from the cloud.
  - Enhanced the performance of data plotting using PyQtGraph, optimizing real-time visualization of brain activity.

### PROJECTS

-  **web**
  - 1 - Athloot**
    - Description: Developed and deployed a web application using React.js. Collaborated with the WordPress website team to integrate a React-based component.
    - Integrated RESTful APIs for data retrieval and management.
  - 2- Mazzboot**

it was my graduation project about developed a 3D e-commerce platform that combines human body models and product models for an immersive shopping experience.

    - Implemented the front end using **React** and **Redux Toolkit** along with **Material-UI (MUI)** for responsive and visually appealing components.
    - Integrated **Three.js** to view and manipulate 3D models.
    - Facilitated data synchronization by fetching and uploading information from the cloud. with **Axios**
  - 3 - AFeLAN**
    - is a comprehensive system designed to track and optimize fish farm operations
-  **Desktop**
  - 1- Autobot Signal**
    - I took on the responsibility of turning designing with xd into a responsive GUI using PyQt and PySide. The primary objective was to create an interface that dynamically displayed live data from a server.
  - 2- Black Horse**

Developed a comprehensive software solution for small businesses, focusing on sales management and storage tracking.

    - Designed and implemented a responsive GUI using PyQt and SQLite for data storage.
    - Integrated the application with a backend database using SQLAlchemy.
    - Managed the entire project lifecycle, from requirements gathering to deployment.
    - Ensured seamless functionality for sales transactions, inventory management, and reporting.
  - 3 - Tats ATM**

simulates an Automated Teller Machine (ATM). This involves creating a user-friendly interface

    - riendly interface using **Figma** and developing it with **PyQt**
    - Integrated the application with a MySQL database for secure data storage.