




IBRAHIM AHMED ABDELNABY

Software Engineer

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SUMMARY

Computer Science graduate with a focus on front-end development. Completed advanced web development training and experienced in creating responsive web applications. Published a paper on computer vision and deep learning, showcasing a diverse skill set. Having excellent problem-solving skills, I am eager to apply technical expertise and creativity in a front-end development role.

SKILLS

Languages: C, Python, JavaScript, Typescript

Frontend: HTML5, CSS, ReactJS, Sass, Bootstrap, Vite

Backend: Node.js, Express.js

Databases: PostgreSQL

Other: Problem-Solving, OOP, Algorithms, Data Structure, Git, GitHub, Jasmine Framework.

PROJECTS

Graduation Project (Team Leader)	Smart Insect Monitoring Developed an automated system for detecting and monitoring two types of insects, the Mediterranean fruit fly (<i>Ceratitis Capitata</i>) and the peach fruit fly (<i>Bactrocera Zonata</i>). The system utilizes a trap equipped with pheromones and an integrated camera. Images captured by the camera are uploaded to a cloud-based Deep Learning model (YOLOv5) for insect detection and classification. The system provides real-time information on insect numbers and sends notifications to users when insect levels reach a critical threshold. Achieved a weighted average accuracy of 84% in insect detection. Published Paper: <ul style="list-style-type: none">Title: Smart insect monitoring based on YOLOV5 case study: Mediterranean fruit fly <i>Ceratitis capitata</i> and Peach fruit fly <i>Bactrocera zonata</i>.link: Smart insect monitoring	github.com link
Full Stack	Post-Graduate College Journal System Developed a secure and streamlined Research Management System for police academy research publications. The system efficiently manages researcher data, tracks research submissions, and handles the examination process by judges. Designed for offline usage to prioritize data sensitivity and confidentiality.	github.com link
Front End	E-commerce Product Page Designed a user-centric E-commerce product page, ensuring optimal responsiveness and a seamless experience across devices. Featuring interactive elements with hover states, a lightbox gallery for detailed product views, and intuitive shopping cart functionality	github.com link
Front End	Where In The World Countries An asynchronous web app that uses Web API and user data to dynamically update the UI.	github.com link
Front End	Shortly landing page, integrated with the shrtcode API to shorten URLs	github.com link

EDUCATION

10/2018 - 6/2022	Bachelor's degree, Computer Science Faculty of Computer Science and Information, Helwan University, Cairo Governorate Degree: Very Good with honors	
7/2022 - 9/2023	Advanced Web Development Certificate Learned a lot about building web applications, and submitted more than 5 projects that improved my skills and gained new ones. Certificate link	Udacity
9/2021 - 10/2021	Professional Web Development Certificate Learned JavaScript Data Types - Understand logic and control flow - Learned how to write proper and correct JavaScript Syntax - Create web content using Javascript - Modify web content using Javascript - Manage website performance - Work with Node and Express to develop a web application - Build a webserver - Use promises to manage asynchronous Javascript. Certificate link	Udacity

LANGUAGES

English - B1, Arabic - native