Badr Tarek

Software Engineer

CONTACT

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🌐 badr-tarek-resume.netlify.app

in www.linkedin.com/in/badr-tarek

� https://github.com/badrtarek

SKILLS

- Good knowledge of **IoT strategy** implementation, standards, and protocols.
- Strong experience with **Python**, **Django**, **PHP**, **Laravel**, and **SQL**.
- Basic understanding of **Machine Learning** techniques.
- Familiar with **Git**.

LANGUAGES

- **English**
- **Arabic**

COURSES

- Full Stack Web Development
- IoT
- Python Programming Language
- Machine Learning

EDUCATION

Computer & Artificial Intelligence
   Modern University For Technology & Information
2018 – 2022
Major: *CS*

GRADUATION PROJECT

Automated Smart Greenhouse System
October 2021 – June 2022
- An IoT system to support remote monitoring, manual controlling and automated control for the greenhouse
- Responsibilities:
  - Building the **IoT** architecture of the system.
  - Building the **IoT cloud** using **Django**, **NodeJS**, and **PostgreSQL**.
    https://github.com/BadrTarek/SGH-Backend
  - Building the connection between the IoT layers using **Web-Sockets**.
  - Building the automated control application using **Fuzzy Logic**.
    https://github.com/BadrTarek/SGH-Fuzzy-Logic-Model
  - Building a recommendation system using **Machine Learning**.
    https://github.com/BadrTarek/Crop-Suggestion-Model

PUBLICATIONS

- **B. T. Mohamed. "Smart Hydroponic System using Fuzzy Logic Control". IEEE. 2022**

WORK EXPERIENCE

Back-End Internship - Magdsoft
April 2021
- Worked in a team-oriented environment for all aspects of product development.
- Developed a **Web Application** for a shipping company using **PHP framework Laravel**.
  https://github.com/BadrTarek/Laravel_Api_Project.git

PROJECTS

Cursed Castle Game
July 2020
- **2D war game** between player and monster developed using **unity C#** and **AI** techniques for monster attacks.
  https://github.com/BadrTarek/Cursed-Castle-Game.git\

Numerical Analysis Algorithms Calculator
May 2021
- **Windows Application** solves some numerical analysis algorithms using **C#**.
  https://github.com/BadrTarek/Numerical-Analysis-Algorithms-Calculator.git

E-Commerce Website
January 2021
- Responsive e-commerce **web application** using **HTML**, **CSS**, **Bootstrap**, **Jquery**, **Laravel**, **MySQL**.
  https://b-ecommerce.000webhostapp.com