

# BADR TAREK MOHAMMED

## IoT Engineer

📍 CAIRO, EGYPT    📞 01004323202    ✉ BADR.TAREK20@GMAIL.COM

🌐 [HTTPS://BADR-TAREK-RESUME.NETLIFY.APP](https://badr-tarek-resume.netlify.app)

🐙 [HTTPS://GITHUB.COM/BADRTAREK](https://github.com/badrtarek)

🌐 [HTTPS://WWW.LINKEDIN.COM/IN/BADR-TAREK](https://www.linkedin.com/in/badr-tarek)



### EDUCATION

**BACHELOR IN COMPUTER SCIENCE & ARTIFICIAL INTELLIGENCE AT 2022**  
*MODERN UNIVERSITY FOR TECHNOLOGY & INFORMATION*  
2018 - 2022

**SPECIALIZATION: CS**  
**LEVEL: 4**



### GRADUATION PROJECT

**SMART GREENHOUSE**  
OCTOBER 2021 -  
JUNE 2022

- Responsible for developing the backend using Python framework Django and MySQL for data storage. The backend provides real-time connection using WebSockets and provides RESTful API for all system functions.  
<https://github.com/BadrTarek/SGH-Backend>

- Responsible for connections between NodeMCU ESP8266 and the server using WebSockets connection.
- Responsible for developing a crop suggestion model using machine learning algorithm Random Forest.
- Responsible for providing automated controlling to the actuators using Fuzzy Logic.  
<https://github.com/BadrTarek/SGH-Fuzzy-Logic-Model>



### WORK EXPERIENCE

**BACK-END INTERNSHIP**  
**MAGDSOFT**  
APRIL - 2021

- Worked in team-oriented environment for all aspects of product development.
- Developed an application for shipping company ( API's , dashboard ) using laravel, API's.
- Built API authentication and all API's requests and responses.
- Built admin authentication and all dashboard requirements  
[https://github.com/BadrTarek/Laravel\\_Api\\_Project.git](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>

**ECOMMERCE-WEBSITE**  
JANUARY - 2021

- Responsive e-commerce website using HTML, CSS, Bootstrap, JQuery, Laravel, MySQL.  
<https://b-ecommerce.000webhostapp.com>



### SKILLS

IoT

Front-End Basics

PHP , Laravel

Python

Django

WebSocket

SQL

Machine Learning

Fuzzy Logic

Git