

# Reham Faek Hassan Mohamed

(Teaching assistant at THIET-Tanta)



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## Objective:

As an Engineer seeking a role in working field which allows me to continue learning and perfecting my skills as I provide high quality work, and encourages me to flourish as a Computers and Systems engineering.

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## Personal Information:

- Date of birth : 1/1/1998.
- Nationality : Egyptian.
- Marital status: Single.

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## Education:

- Premaster Degree of Computers and Control Engineering, Mansoura University, Mars 2022.
  - Bachelor Degree of Electrical Engineering, faculty of Engineering, Kafr El-Sheikh University, Sep. 2016-Jun 2021.
    - Major: Computers and Systems Engineering.
    - Cumulative Grade: Excellent, with honors (90.08%), ranked 3<sup>th</sup>.
    - Graduation Project: Smart Factory powered by industry 4.0 Technology.
    - Graduation Project Grade: Excellent.
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## Projects:

-**Graduation Project:** Smart Factory powered by industry 4.0 technology.

Merging Industry 4.0 technologies with an ordinary factory prototype (Manual fruit sorting & packing production line) to convert it into Smart and Fully Automated Factory, using the power of Industrial IoT, Cloud Computing, Machine Vision and Computer Software. This smart factory has a CPS (Cyber-Physical System) allows it to be connected factory. And fully automated the sorting & packing process with Machine Vision system based on python and OpenCV. All these systems have been integrated in one system that works in harmony.

-**Computer Vision Project:** Egyptian currency recognition.

-**Python Language:** ATM Project.

-**Build website:** eCraft, culture website.

-**Database Language:** SQL server, project of rental car (UBER).

-**Logic Circuit:** Microprocessor Circuit (Mano computer).

-**Robot using Arduino:** Line Follower Robot.

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## Work Experience:

-**Teaching assistant**

Higher Institute for Engineering and Technology-Tanta, Feb 2023- Present.

-**Teaching assistant**

Higher Institute for Engineering and Technology-KafrELSheikh, Oct 2021-Feb 2023

Key responsibilities:

-Assisting teachers in years Level 1, 2, 3, 4 with daily activities and classes.

-Implementing lesson plans prepared by the teacher amongst the students by reviewing them in the class.

-Helping students with organizing and managing classroom resources.

-Helping the teachers in checking exam papers and homework.

-Assisting in supervising students between classes, and in class.

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## **language:**

- Arabic.
- English

## **Computer Skills:**

- Microsoft Office (Word, PowerPoint, Excel, and Microsoft Teams).
- C Programming.
- Python Programming.
- SQL Server Language.
- Deep Learning for Python.
- Computer Vision.
- HTML & CSS.

## **Personal Skills:**

- Presentation and Communication.
- Time management.

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## **Courses:**

- PCB.
- Proteus.
- ICDL & Photoshop
- Arduino

## **Courses Online:**

- Front-End Development, (Udacity).
- HTML course, (SOLOLEARN).
- Google Fundamentals of Digital Marketing,(MaharaTech).
- Video Interview Tips, (LinkedIn).
- Python Programming Basic, (MaharaTech).
- Introduction to Deep Learning, (MaharaTech).
- Creating Multi Task Models with Keras, (Coursera).
- Computer Vision, (Coursera).
- Convolutional Neural Networks in TensorFlow, (Coursera).
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning (Coursera).
- Machine Learning by DeepLearning.AI (Coursera).