**Moustafa Mahmoud Shabana**

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Mansoura, Dakahlia, Egypt

**Objective:**

To be able to learn and grow professionally as a Biomedical Engineer in a great organization like You where i could gain more experience in biomedical engineering. My effort and dedication will make me able to be suitable for achieving your vision and goals.

**Education:**

* Bachelor’s degree of Engineering, Biomedical Engineering Department, Faculty of Engineering, Mansoura University, 2021.
* GPA: 3.76 (Grade: Excellent).

**Graduation Project:**

* **Portable hemodialysis machine.**
* I was in charge of building Embedded Software System for the project.
* I participated in Designing and Connecting the electronic circuits in the device.

**Internships:**

* **Mansoura University Children's Hospital.**
* Trainee, from 20 Sep to 1 Nov 2020.
* Trained on Medical Gas System, Radiology Devices covered (CT and MRI).
* **Mansoura Gastroenterology Hospital.**
* Trainee, from 20 July to 1 Aug 2020.
* Trained on Autoclave, ICU Equipment, Radiology Devices.

**Projects:**

* **Ultrasonic cleaner Unit, Aug 2020.**
* design and making a machine using ultrasound waves for cleaning surgical instruments and control it with raspberry pi..
* **ECG Monitoring using Arduino, Dec 2019.**
* design an heart monitor using 3 electrodes and using Arduino.
* **Spider Robot, Dec 2018.**
* design a robot like spider and control it with Arduino and servo motors.

**Courses:**

* **Embedded systems course.** Feb 2020-Mar 2021
* Learn about c programming, Embedded systems Concepts, Microcontroller interfacing, RTOS and Automotive Bus Technology.
* **Professional Clinical Engineering Online Course** Aug 2019- Nov 2019
* Learn about Medical Equipment Lifecycle Management, Resources Management (Physical – Human – Financial) and Quality Management (Plans – Process & Procedures – Standards – Accreditation).
* **Professional Ultrasound Equipment Online Course** April 2019- Aug 2019
* Learn about Technology of Ultrasound,2D Black & White Machine, Color Doppler Machine & 3D Software, Operation – 4D Ultrasound Built-In Trolly, Service Manual and Maintenance – 4D Ultrasound Built-In Trolly.
* **Dakahlia Engineers Syndicate.** Jun 2017-Feb 2018
* Learned Analog and Digital Electronics, Dental instruments, NICU.

**ACTIVITIES:**

* Organizing "You can ask" conference in Mansoura University about (x-ray, Endoscopy, Artificial limbs, Dental Unit, Incubator, and Autoclave) at 2020.
* Attending "You can ask" conference in Mansoura University about (x-ray, Endoscopy, Artificial limbs, Dental Unit, Incubator, and Autoclave) at 2020.
* Attending Mansoura University's biomedical engineering conference at 2018.
* Attending Mansoura University's biomedical engineering conference at 2016.

**Skills:**

* **Soft skills**
* Quick learner
* Team player
* Good Communication Skills
* Decision making
* Problem solving
* Work ethics
* **Computer skills**
* Microsoft office
* Proteus
* Arduino IDE
* Matlab
* Atmel Studio
* **Programming Languages**
* C
* Python
* **Languages**
* Arabic (Native).
* English (Intermediate).
* Deutch (Little).