

# Mary Tharwat Milad | Biomedical Engineer

Address: Shubra, Cairo, Egypt | Phone: +20-127-162-7946

LinkedIn: <https://www.linkedin.com/in/mary-tharwat-30a300119/>

Email: [marymilad.13@gmail.com](mailto:marymilad.13@gmail.com)

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## OBJECTIVE

Highly motivated Biomedical Engineer graduate with grade Excellent with Honor looking to have a deep dive into science, wishing to take new challenges and overcoming any obstacle to reach my goal and having new adventures.

## WORK EXPERIENCE

Teaching Assistant, Systems and Biomedical Engineering Department, El-Shorouk Academy  
(2020- Present)

## EDUCATION

- Studies Premaster at Cairo University (2020 – present)
- Higher Institute of Engineering at El-Shorouk Academy, Graduated from Systems and Biomedical Engineering Department  
**Grade: Excellent with Honor (85.88%) / The First Rank**  
**Graduation Project: Screening Human Health Using Iridology | Grade: Excellent.**  
(2014 – 2019)

## PROJECTS

- **Ventilator:** Participated in **the Code Life Ventilator Challenge** on Agorize hosted by **the Montreal General Hospital Foundation and Research Institute McGill University Health Centre(RI- MUHC)** (2020)
- **Graduation Project:** Screening Human Health Using Iridology **Third Place in MIE competition (Made in Egypt)** (2019)
- Robotic Hand Using Computer Vision (2018)
- Line Follower Robot (2017)

## TRAINING

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- Trainee at EGMED (sales) (20/8/2019 – 18/9/2019)
- Workshop at 9<sup>th</sup> Cairo International Biomedical Engineering conference: Medical Imaging Technologies (Magnetic Resonance Imaging) (22/12/2018)
- Trainee at EG Medical Systems (Maintenance) (30/7/2018 – 29/8/2018)
- Trainee at Nasser Institute for Research and Treatment (1/7/2018 – 26/7/2018)
- Trainee at Shoubra General Hospital (Kitchener) (29/1/2018 – 10/2/2018)
- Workshop at Third International students' conference: Virtual and Augmented Reality (13/10/2017)
- Trainee at Children's Cancer Hospital Egypt 57357 (13/8/2017 – 29/8/2017)
- Trainee at Badr Hospital (17/7/2017 – 31/7/2017)
- Summer program at Jelecom: Medical Applications Using Matlab and Raspberrypi (4/7/2017 – 15/7/2017)
- Summer program at Trim Academy: Arduino and Processing (29/6/2017 – 2/7/2017)
- Workshop at IEEE EL-Shorouk Academy SB: Arduino Robotics (18/2/2017 – 6/5/2017)
- Workshop at 9th Cairo International Biomedical Engineering conference: Medical Cognitive Computing and Machine Learning Applications in Healthcare (16/12/2016)
- Trainee at International Medical Center (17/7/2016 – 28/7/2016)

## EXTRA-CURRICULAR ACTIVITIES

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- IEEE EI-Shorouk Academy Student Branch: Public Relation Member (2019)
- ENACTUS EI-Shorouk Academy: Financial Member (2019)

## SKILLS

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### • Languages:

- Arabic "Mother Language"
- English "Very good"
- French "Good"

### • Personal Skills

- Planning
- Research
- Self-Learning
- Leadership
- Good presentative
- Good communication skills
- Problem Analysis

## • **Technical skills**

- Image Processing (MATLAB)
- Machine Learning classifier (MATLAB)
- C and C++ programming languages
- Python (Certified from University of MICHIGAN)
- Microsoft Office (Word, Excel and Power point)

## CONFERENCE PARTICIPATION

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- Attendee at 9th Cairo International Biomedical Engineering conference (20/12/2018 – 22/12/2018)
  - Attendee at Third International students' conference (12/10/2017 – 13/10/2017)
  - Attendee at 8th Cairo International Biomedical Engineering conference (15/12/2016 – 17/12/2016)