

MOHAMED EL-SAEED ATTIA ABU EL-YAZID

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PROFESSIONAL SUMMARY:

Recent graduate with a Bachelor's degree in Biomedical Equipment Technology from Menoufia University. Strong academic background in medical devices, biomedical instrumentation, microcontrollers, PLC programming, and MATLAB. Interested in embedded systems and medical device software development applied in healthcare technologies. Passionate about medical equipment safety, troubleshooting, and preventive maintenance, with hands-on experience through technical workshops and a smart medical monitoring graduation project.

EDUCATION:

Bachelor of Science in Biomedical Equipment Technology
Faculty of Applied Health Sciences Technology, Menoufia University
Graduation Year: 2026

GRADUATION PROJECT:

Medi-Guard | Smart Medical Assistant

- Designed and developed a smart medical monitoring system for healthcare applications.
 - Integrated ESP32 microcontroller with MAX30102, AD8232 ECG module, and Mindray YSI 400 NTC Thermistor.
 - Implemented real-time physiological data acquisition and monitoring.
 - Configured ST7789V TFT display for visualization and interface.
 - Portable power system using 18650 Li-ion battery and TP4056 module.
 - Focused on safety, accuracy, and medical design.
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WORKSHOPS & TRAINING:

- Medical Endoscopy Devices | Jan 2026
 - X-Ray Systems Overview | Oct 2024
 - X-Ray Systems (Mindray) | Feb 2024
 - Ventilator & IVD Systems | Nov 2023
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TECHNICAL SKILLS:

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| - Biomedical Equipment Fundamentals | -PLC Programming | -MATLAB |
| -Medical Device Safety | -Biomedical Instrumentation | -C++ |
| -Preventive Maintenance | -Embedded C | -MikroC |
| -Troubleshooting | -Microcontrollers | |
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LANGUAGES:

Arabic: Native.
English: Very Good.

MILITARY STATUS:

Permanently Exempt.