

# Mahmoud Osman

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## PROFILE

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Embedded systems engineer and lecturer at the university of Pécs with interests in the field of Hardware and software design and development.

## EXPERIENCE AND EDUCATION

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### Specialized Lecturer | University of Pécs

February 2023 - Present

- Teaching and evaluating bachelor level theoretical and lab courses including Microcomputers, communication engineering, project labs and design of microelectronic systems.
- Participation in 2 research groups namely: Parameterized comfort in physical spaces and National Laboratory of Cooperative Technology. (in HU: KTNL)
- Evaluation of Bachelor theses as opponent.

## EDUCATION

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### University of Pécs, Hungary

Electrical Engineering, Bachelor of Science

GPA: 4.01/5

2019 – 2023

### Ali Bin Jassim Secondary School

Doha, Qatar

GPA: 95%

2019

## CERTIFICATIONS

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### German A1

2022

- University of Potsdam, Germany

## AWARDS

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### Second place in OTDK (National Scientific Student Conference)

2023

ELTE, Budapest

- Design of Personal Comfort measuring device.

### First place in TMDK

2022

Pécs, Hungary

### Huawei SEEDs Scholarship of Excellence

2022

PTE MIK, Pécs

## SKILLS

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**General:** Hardware development, PCB design, KiCAD, Embedded C, RTOS, ESP32, Scientific Research, teaching.

**Programming Languages:** C, Arduino

**Tools:** Linux, Git, Makefile, Visual Studio Code, ESP-IDF

**Languages:** Arabic (Native), English(advanced), German(Beginner), Hungarian(Beginner)