

MOAHMED ELGAZAR

EMBEDDED SOFTWARE DEVELOPER

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Cairo, Egypt

OBJECTIVE

Mechatronics engineer with a focus on embedded software engineering and strong technical background in programming languages such as C, C++, and Python. I am experienced in working with various microcontrollers and know how to interface with them effectively and also familiar with mobile development and web development .

EDUCATION

<u>Bachelor's Mechatronics and Robotics</u>	Sep 2020 – Sep 2024
Faculty of Engineering, Mansoura University, Egypt	GPA : 3.32
Study a combination of electrical, mechanical and software engineering to develop electromechanical products and machines.	
<u>Embedded Systems Professional Nanodegree</u>	Udacity – Egypt FWD
<u>Mastering RTOS & Embedded Linux & Mobile App Development with Flutter</u>	Udemy

EXPERINCE

- Vice Leader & Head of Technical Committees & Instructor May 2022 – Jan 2024
Mansoura Robotics Club (Student Activity)
- Mechatronics Engineer Trainee Jul 2023 – Oct 2023
DCHC (Damietta Container & Cargo Handling Co.)
- Embedded Software Engineer Trainee Jun 2023 – Jan 2024
Siemens – Eitesal
Siemens Diploma and training in Embedded Systems, Communication Protocols, and Automotive Networks provides practical knowledge of microcontrollers and the AUTOSAR software architecture.

SKILLS & ABILITIES

- Firmware and driver development for ARM, AVR, PIC, and other microcontrollers.
- Proficiency in C, C++, and Python programming languages
- Experience with microcontroller-based systems and Real-Time Operating Systems (RTOS)
- Understanding of communication protocols such as I2C, SPI, and UART
- Familiarity with bootloaders and automotive bus systems like CAN and LIN
- Strong grasp of AUTOSAR methodology and architecture.
- Proficient in embedded systems design, debugging, and testing
- Familiarity with MISRA-C rules , Software Design Patterns and SDLC