SALAH-ELDIN HASSEN

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EDUCATION

Cairo University Faculty of Engineering (CUFE)   *2021 - 2026*

- Bachelor of Electronics and Electrical Communications Engineering (EECE).
- Maintained a GPA of 3.3 (Very Good).
- Related Courses: Logic Design, Microprocessors, Analog IC Design I&II, Embedded Systems, Data Structure.

WORK EXPERIENCE

Autonomous Embedded Member | Cairo University Eco Racing Team | Part-time   *Apr 2025 - Current*

- Mainly debugging and handling the communication between the Ecus via CAN protocol.

Robotics & Embedded Instructor | Beta Academy | Seasonal   *Jan 2023 - Jan 2025*

- Taught Arduino and AVR embedded systems to over 600 students with consistently excellent feedback.

Coding AI Trainer | Outlier | Freelancing   *Sep 2024 - Dec 2024*

- Trained and optimized AI models for coding in C++ and Python tasks to enhance code generation accuracy.

SKILLS

Embedded:	STM32 - ARM Cortex-M - AVR - PIC - FreeRTOS - I2C - USART - SPI - CAN - SOMEIP.
Software:	C/C++ - Python - MATLAB - OOP - Automation - Scripting - AI tools - Qt - Git & GitHub - Latex.
Digital:	HDL languages (VHDL, Verilog, System Verilog) - TCL - FPGA Xilnix - Linting.
Web:	HTML5 - CSS3 - JavaScript - Bootstrap - jQuery - Laravel - SQL.
OS:	Linux (Fedora(main), Kali Nethunter, Ubuntu) - Windows