

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-timeApr 2025 - Current

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

Robotics & Embedded Instructor | Beta Academy | SeasonalJan 2023 - Jan 2025

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

Coding AI Trainer | Outlier | FreelancingSep 2024 - Dec 2024

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

SKILLS

Digital: HDL languages (VHDL, Verilog, System Verilog) - TCL - FPGA Xilinx - Linting.

Software: C/C++ - Python - MATLAB - OOP - Automation - Scripting - AI tools - Qt - Git & GitHub - Latex.

Embedded: STM32 - ARM Cortex-M - AVR - PIC - FreeRTOS - I2C - USART - SPI - CAN - SOMEIP.

Web: HTML5 - CSS3 - JavaScript - Bootstrap - jQuery - Laravel - SQL.

OS: Linux (Fedora(main), Kali Nethunter, Ubuntu) - Windows