



AHMED ESSAM

CONTROL & SYSTEMS ENGINEER | INDUSTRIAL AUTOMATION
EMBEDDED & SMART SYSTEMS | EMERGING TECHNOLOGIES

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Baghdad, Iraq

EDUCATION

BSc in Control and Systems
Engineering University of
Technology - Baghdad

2025-2021

SKILLS

- C++ Programming – University course projects
- MATLAB & Simulink – Lab applications
- Web Development – Self-taught practice
- PLC Programming – University coursework
- MySQL – Database course projects
- OOP - Self-taught practice

LANGUAGE

Arabic

English – Intermediate

Professional Summary

Motivated and adaptable Control and Systems Engineer with a background in Computer and Control Engineering. Actively seeking an opportunity to contribute to real-world engineering environments, including industrial and automation sectors. I have the ability to learn quickly, work well under pressure, and am eager to expand my technical and professional skills. Open to diverse roles where strong problem-solving ability, teamwork, and continuous growth are valued.

WORK EXPERIENCE

- Technical Projects Developer esp32 - Arduino - user interface
- worked at (Beirut Medical Supplies)
- worked at (Al-Munir Home Appliances Manufacturing Company)
- Simulated and tested control systems using MATLAB/Simulink

ACADEMIC PROJECTS

Smart Vehicle System (Graduation Project):

Integrated sensor-based navigation, PWM speed control, and wireless control via a web interface.

Project link: <https://a7med-uot-project.netlify.app/index.html>

Participated in university project exhibitions showcasing innovative control and IoT applications.

Attended and contributed to technical workshops focused on IoT and control systems.