



Amjad Salah



📍 Denizli, Türkiye

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in [a7sala7](#)

Date of birth: 11-12-2002

ABOUT ME

Mechatronics Engineering student with international experience in Poland, Türkiye, and Romania. Experienced in Industrial Automation, PLC programming, and Smart Systems development. Seeking to apply practical skills in system simulation and industrial control within a professional engineering environment.

EDUCATION

- **Pamukkale University – Denizli, Türkiye**
BSc in Mechatronics Engineering | 2022 – July 2026
- **Erasmus Exchange – Dunărea de Jos University of Galați, Galați, Romania**
Erasmus Exchange Semester | January 2026 – Jun 2026

PROJECTS & EXPERIENCE

- **Graduation Project: AI-Based smart Sorting & Packaging System (Ongoing)**
Developing an automated industrial simulation using Factory I/O and Siemens S7-1200 via TIA Portal, where a Python-based AI model communicates with the PLC in real time to control conveyors, pushers, and robotic units for intelligent product sorting and packaging.
- **Internship – Lodz University of Technology – Poland 2025 – 2026**
Research internship on FMCW radar and IoT applications, including radar signal processing, experimental measurements, and development of an IoT-based monitoring system.
- **Internship – Or-PAN MUHENDISLIK 2025**
Basic hands-on experience in electrical wiring and observation of industrial automation environments.
- **Internship – Vegatronik 2025**
Worked on PCB design for lighting and lighting control systems, including schematic development, layout design, and integration with smart automation solutions.
- **Internship – Filiz Makina 2025**
Trained on CNC cutting machines, gaining hands-on experience with mechanical components, operational setup, and control systems.
- **Robotic Arm Design Project – Pamukkale University**
Designing and simulating a robotic arm capable of writing and drawing using Solidworks and CoppeliaSim.

- **Embedded & IoT Automation Systems Projects**

Designed embedded automation systems using STM32 and ESP32 for access control and attendance, including RFID, sensor integration, SPI/I2C communication, firmware development, and basic web-based monitoring concepts.

SKILLS -----

- **Technical:**

- **Embedded & Hardware:** STM32, ESP32, Arduino; I2C, SPI, UART; PCB basic design

- **Industrial Automation:** PLC (Ladder Logic, Siemens TIA Portal, Factory I/O Simulation)

- **Programming & IoT:** C/C++ and Python fundamentals, basic IoT applications

- **Simulation & Design:** SolidWorks, CoppeliaSim, MATLAB

- **AI & Vision:** OpenCV and DeepFace (basic, project-based exposure)

- **Soft Skills:**

Teamwork, time management, communication, adaptability

- **Languages:**

- Arabic (Native)
- English (B2)
- Turkish (C1)

Relevant Coursework -----

- Microcontrollers & Embedded Systems
- Industrial Automation (PLC & Ladder Logic)
- Introduction to IoT & Smart Systems
- Object-Oriented Programming (C++/Python)
- Control Systems & Robotics (introductory level)

INTERESTS -----

Industrial automation, Industrial IoT, and smart manufacturing systems

VOLUNTEER -----

Volunteered as a representative in the leadership of the Yemeni Student Union in Türkiye