Alhussain Ali Tofailea

Automation Engineer | Embedded Systems Engineer | AI Developer

Damascus, Syria | 01/01/2002 | Male | Syrian | +963-996 431577 – 0118833462 |

https://www.facebook.com/share/17inSDZkeK/ | alhussain.tof7.ali@gmail.com.

PROFESSIONAL SUMMARY

Computer Engineer specializing in Control, Automation, and Embedded Systems, with expertise in microcontroller programming, AI, and Deep Learning. Skilled in developing intelligent software solutions using C, C++, and Python, with hands-on experience in Computer Vision, NLP, and robotics applications. First-place winner at the 2024 Engineering Projects Exhibition for an AI-based Self-Driving Car project, currently pursuing a Master's degree in Robotics Engineering and Programming.

WORK EXPERIENCE

Teacher Assistant

Damascus University **November 2024 – Present**

- Instructor Engineer in Peripheral Units Lab, Provided academic supervision for several projects focused on Control Systems and Artificial Intelligence.
- Instructor Engineer in Operating Systems Lab.
- Instructor Engineer in Databases Lab.
- Instructor Engineer in Fuzzy Control Lab.
- Instructor Engineer in Non-Linear Control Lab.
- Instructor Engineer in Signal Processing Lab.
- Supervisor of Many Graduations Projects.

Teacher Assistant

Syrian Private University **September 2025 – Present**

- Instructor Engineer in Fundamentals of Databases Lab.
- Instructor Engineer in Mobile Application Development Lab.
- Instructor Engineer in Distributed System-Cloud Computing (Python) Lab.
- Instructor Engineer in Programming 3 (C#) Lab.
- Instructor Engineer in Microcontrollers & Embedded Systems Lab.

Python Instructor

New Horizons Center – Damascus, Syria **January 2026 – Present**

Robotics Instructor

New Horizons Center – Damascus, Syria **July 2026 – Present**

EDUCATION

Bachelor's Degree in Computers and Automation Engineering, **GPA: 77.21%**
Damascus University, Damascus (Syria). **Graduated: 2019**

Master's Degree Student in Robotic Engineering and Programming
Damascus University, Damascus (Syria). **June 2025 – Present**

CERTIFICATES

- Certificate of Participation in the 7th Edition of the Faculty of Mechanical and Electrical Engineering Projects Exhibition " **FMEE** " 2024.
- First Place Award in "**FMEE**" – Computer and Automation Department.
- Certificate of Front-End Web Development Diploma, SEF Academy 2025.

PERSONAL SKILLS

- I have the ability to diction and communicate effectively.
- Strong desire to learn and achieve.
- Quick learner for new business.
- Ability to adapt to changes and to withstand work pressure.
- Ability to work with the team.
- Ability to take responsibility, leadership and organization.
- I have the ability to face problems and find appropriate solutions.

COMPUTER SKILLS

- Machine Learning & Deep Learning.
- Programming languages: Python, C/C++, C#, Java.
- Image Processing.
- Microcontroller Programming Such as: PLC, Arduino, ESP8266, ESP32, Raspberry Pi, Atmega, PIC.
- Embedded Systems.
- Internet of Things.
- Linux Operating System.
- Databases Management (Mysql, Sql Server, Mongodb).
- Computer Maintenance.
- Algorithms and Data Structures.
- Front-End Developer: {Html/Html5, CSS/CSS3, JavaScript, Bootstrap, Tailwind, SASS, TypeScript, React.js}.

MEDIA INTERVIEWS

- By the grace of God, I have successfully executed multiple engineering projects, with my graduation initiative, **"Self-Driving Car"**, standing as the most notable. This project secured first place at the 7th Mechanical and Electrical Engineering Projects Exhibition (University of Damascus, 2024), an achievement that subsequently led to invitations for televised interviews to elaborate on its technical innovations, operational framework, and engineering methodology.

- The following link features my televised interview on the **"Damsco Program"**, broadcasted by **Al-Alam Syria Channel**, during which I discuss the conceptual framework and technical innovations of my graduation project**:**
  - **https://youtu.be/6AcLh2zNkx8?si=_fncrbUWf1xVB5w2**

- The **"Syrian Arab Republic Radio"** interview served as an official platform to announce my project's first-place victory in the seventh season of the Mechanical and Electrical Engineering College Projects Exhibition. This dialogue was conducted in recognition of the scientific merit and innovative contributions embodied in the project.
  The full interview is accessible via the following link:
  - **https://www.facebook.com/share/v/QcLm2kbNeBvYRE73/**

- In commemoration of my first-place victory at the exhibition, the core concept and societal implications of my project were highlighted in an article published by the **"For You, Syria"** digital platform and the **official website of Damascus University**.
  The publication is available at:
  - **https://foryousyria.sy/2024/11/07/شباب-سوريون-يصممون-سيارة-ذكية-ذاتية-ال/**
  - **https://www.damascusuniversity.edu.sy/index.php?lang=1&set=4&type=1&id=8257&fbclid=IwY2xjawIs8m1leHRuA2FlbQIxMQABHXs8420YcUUsiyvvwaaUaK2udS4lErtd2rWmuEweTWxF42z1P_lkn7Jtw_aem_UV3P0CfHHAi5qX6bAzUuTg**

LANGUAGES

- Arabic-fluent as mother tongue.
- English-good skills in reading, writing and speaking.

HOBBIES

- Problem Solving.
- Programming.
- Football.
- Swimming.