



Ali Zahedi

Embedded System Developer



Profile

I am an Embedded Systems Developer with a strong passion for robotics. I have a solid background in embedded systems development, with expertise in programming micro-controllers and designing circuitry for various robotic applications. I am experienced in working with programming languages such as C and C++, as well as using development tools and platforms such as Arduino and Raspberry Pi.



Work experience

present
↑
2021

Embedded System Developer

Smart Apex (IOT), Kashan, Isfahan, Iran

- Designing new products in the field of IOT.
- Firmware update project for installed products.
- DALI module project for lighting control.
- IR remote module project for air conditioner.

2022
↑
2021

Robotic Teacher

FIRA academy(Education), Tehran, Iran

- Teaching how to assemble simple robots.
- Teaching how to work with STM32 microcontrollers.
- Teaching how to work with Arduino Boards.

present
↑
2018

Producer of educational content

Digispark.ir(Education), Iran

- Production of educational content.



Education

present
↑
2021

Islamic Azad University Science and Research Branch

Tehran, Iran

Masters' degree

2020
↑
2018

Shamsipour Technical College

Tehran, Iran

Bachelor's degree

2018
↑
2016

Shahid Rajaee Technical and Engineering

Kashan, Isfahan, Iran, Iran

Associate's degree



Achievements

2021

Smart wheelchair patents

An electric wheelchair with the ability to recognize and cross obstacles and follow the nurse, as well as controlling sound processing and displaying 360-degree imaging with a panoramic camera on the screen and the ability to charge with a variable solar cell with a beam radiation angle.



Contact



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Github

[Github.com/alixahedi](https://github.com/alixahedi)



Linkedin

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Skills

- C/C++
- Python
- Git
- RTOS
- PCB Design
- STM32/STM8
- Arduino/AVR
- ESP8266/ESP32
- Raspberry pi
- Problem Solving
- Effective Communication
- Adaptability
- Teamwork



Languages

Persian

Native

English

Intermediate