ABOLFAZL MOHAMMADPOUR

Date Of Birth : 12 June 2004
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ABOUT

I Am Abolfazl, A 20-Year-Old Undergraduate Student In Mechatronics Engineering With A Strong Interest In Combining Engineering And Computer Science With Robotic And Autonomous Systems. As A Fifth-Semester Student, I Strive To Bridge The Gap Between Software And Hardware Technologies In Mechatronic And Robotic Projects. My Expertise Lies In The Design, Development, And Implementation Of Intelligent And Autonomous Systems Using Mechatronics Principles And Deep Knowledge Of Computer Science. During My Academic Journey, I Have Worked On Projects Involving Industrial Automation, The Design Of Functional Robots, And The Optimization Of Complex Systems Using Advanced Algorithms And Programming. This Fusion Of Knowledge Enables Me To Offer Innovative Solutions In The World Of Technology.   As Someone Who Constantly Operates At The Intersection Of Engineering, Programming, And Robotics, I Am Eager To Participate In Projects That Allow Me To Apply My Knowledge And Creativity In Enhancing And Designing Complex, Smart Systems.

EDUCATIONS

Technical And Vocational University , Isfahan—
Bachelor Degree

Sep 2024 - Jul 2026

Mechatronics Engineering

Technical And Vocational University, Tehran —
Associate Degree

Sep 2022 - Jul 2024

Mechatronics Engineering

Zendeiad Mosa Ranjbar High School, Qaemshahr —
Diploma Degree

Sep 2019 - May 2022

Mechatronics Engineering

SKILLS

C Programming Language

C++ Programming Language

Python Programming Language

C Standard Libraries

C++ Standard Libraries

C++ Standard Templates Libraries

Python Standard Libraries

CMake Build System

Git , Github , Gilab

Windows OS , Linux OS

MicroPython Platform

Arduino Platform

Raspberry Pi Platform

AVR Microcontrollers

ESP Microcontrollers

SIM Microcontrollers

Industrial Model Designing

CAD , CAE , CAM

Industrial Automation

Siemens Simatic Series

Electronic Circuit Designing

Electrical Circuit Designing

Computer Science

Mechatronic Science

Robotic Science

EXPERIENCES

Author Of An Introduction To C Standard Libraries Book (First Volume)— *Author*

Jun 2024

Writing A Book About C Standard Libraries In Persian Language For The First Time.

Supervisor Of RoboMech(Robotics And Mechatronics Research Laboratory) — *Supervisor*

Dec 2023 - Jul 2024

RoboMech Is A Research Laboratory At Technical And Vocational University Of Tehran That Works On Autonomous Robotics And Mechatronics Systems And Combining Computer Sciences And AI In The Field Of Robotic And Mechatronic Systems

Freelance Teacher — *Teacher*

Sep 2021 - Present

Private Tutoring To University And College Students About Every Things In Computer Science

Teacher At Zendeiad Mosa Ranjbar High School , Qaemshahr—*Teacher*

Sep 2021 - May 2022

Teaching C, C++ And Arduino Boards Programming To Students Of Mechatronics And Electronics.

Programmer At OMCOM, Qaemshahr — *Computers And Embedded Systems Programmer*

May 2020 - Sep 2021

Programming Web Applications With Python, Django, MySQL And Programming Embedded Systems Based On PIC And DSPIC Microcontrollers With C And C++ Programming Languages

SOFTWARES

Visual Studio

Visual Studio Code

SolidWorks

FluidSim

Proteus Design Suite

Altium Designer

Siemens TIA Portal

Siemens Simatic Step7

Siemens Logo Soft Comfort

ISE Design Suite

Vivado Design Suite

LANGUAGES

Persian , English