Amirreza Hosseini

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[LinkedIn profile](#)
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Education

- **Bachelor of Science** in Computer Engineering   2019-2023(expected)
  [Isfahan University of Technology](#) (IUT)
  Undergraduate - Intelligence computer systems (tuition waved)
  GPA: 17.44 out of 20 (converted: 3.64/4)
  Supervisor: [Dr. Amir Khorsandi](#)

- **Diploma** Degree in Mathematics and Physics discipline   2015-2018
  High-rank high school in Tehran, Iran
  GPA: 4/4

Awards and Honors

- Ranked within the top 2% among more than 150,000 participants in the annual Iranian University entrance exam for bachelor's degree in mathematics and physics(Konkour).
- Ranked within the top 5% among more than 140,000 participants in the annual Iranian University entrance exam for a bachelor's degree in Foreign languages(Konour).
- Ranked within the top 15% in the first year and 10% in the second year of study among all students in the [ECE Department](#).
- Awarded to change the major from Electrical to Computer Engineering due to excellent academic performance.

Selected Courses

- Computer Architecture(20/20)
- Data Structure(19/20)
- Database & Lab.(17/20)
- Digital Systems Design(20/20)
- Robotics & Lab.(17/20)
- Microprocessor & Lab(17/20)
- Computer Networks & Lab.(18.60/20)
- A.P. & Lab(17/20)

Research Interests

- Computer Networks
- Embedded Systems
- ORM and DBMS

Work Experience

- **Industrial Project**   2022-present

  Company Name: [Azmoon Saz Mabna](#) - Part-time
  Software Developer
  Location: Tehran,Tehran, Iran
  Implementing the Website platform for automatic calibrations for many variations of instruments in the laboratory for migration from a paper-work base to an online-based platform. Use ASP .NET Core for implementation with MVC architecture.

- **Teaching Assistant**

  Isfahan University of Technology - Part-time   Fall 2022
  Database Lab.
  [Dr. Alireza Basiri](#)

Isfahan University of Technology - Part-time   Spring 2022
Advanced object-oriented programming with C#
Dr. MohammadAli Khosravifard

Isfahan University of Technology - Part-time   Fall 2021
Digital Systems Design
Dr. Nader Karimi

Isfahan University of Technology - Part-time   Fall & Spring 2019-2020
Fundamentals of programming with basics of Python and C languages
Dr. MohammadAli Khosravifard & Dr. Jalal Zahabi (x2 times)

Technical & Research Experience

- Course projects:
  - Mano Basic computer simulator (implemented in C# language) – Detail & GitHub code
  - Linux character device module simulation – Detail & GitHub code
  - Arduino Radar Project – Detail & GitHub code

Language

- English (IELTS (Academic): To be earned on November 18th)
- Persian (Native)

Skills

Computer skills

- Microsoft Office (Excel, Word, Outlook, Access, PowerPoint, etc.)
- 10 fingers typing (35 WPM)
- Edditors and IDEs (Visual Studio & VSCode, Pycharm & Clion, Code Vision, Arduino, Processing)
- Proteus & Modelsim & ISE
- Git and GitHub - Coursera Certification
- Wireshark & mininet & Cisco Packet tracer
- Symbolab & Wolfram alpha
- Virtual Machines & Emulator (Virtual Box and VMware)
- O.S. (Windows, Ubuntu, Windows Server, Android, IOS)

Programming languages and Frameworks

- C/C++ (multi-process and multi-threads programming, Linux kernel module) - Sololearn
- Python (PyTorch, socket programming, pandas) - LinkedIn Learning
- C# (ADO .NET Core MVC, windows forms, IIS express) - Sololearn
- SQL (Microsoft SQL Server, Postgresql, ADO .NET) - Sololearn
- HTML (Bootstrap 5)
- Verilog
- Assembly
- MATLAB
- Message brokers (RabbitMQ)

Hardware systems

- ATmega 16/32 , NodeMCU , STM32
- Arduino (Mega/UNO)
- Sensors (Ultrasonic ,Gyroscope, RFID , etc.)

Soft skill
- Developing Your Emotional Intelligence - [LinkedIn Learning](#)

Hobbies

- Playing music instruments such as guitar and piano, and got some knowledge in musical notes and harmonics
- Hold 3 musical concerts for charity purposes for the Iran Society of Deaf People Family with about 800 audience members

REFERENCES

- **Dr. Amir Khorsandi**
  Assistant professor
  Electrical and Computer Engineering department, Isfahan University of Technology, Iran
  [Website](#)
  [Mail](#)

- **Dr. MohammadAli Khosravifard**
  Associate Professor
  Electrical and Computer Engineering department, Isfahan University of Technology, Iran
  [Website](#)
  [Mail](#)

- **Aein Bahadori**
  MSc Student of Control Systems Engineering
  University of Padova, Padova, Italy
  [LinkedIn](#)
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