

# Mahdi Mohammadinasab

co hardware-software Engineer

DoB: 1998-12-06 ■ Marital Status: Single ■ Military Service: Not Served



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📍 University of Tehran, Tehran, Iran



## Profile Summary

Highly skilled Co Hardware-Software Engineer with extensive experience in developing and troubleshooting complex systems. Proficient in hardware design, firmware development, and software programming. Demonstrated expertise in optimizing system performance and ensuring compatibility between hardware and software components. Skilled in designing and implementing innovative solutions to meet customer requirements. Exceptional problem-solving abilities and strong attention to detail. Excellent communication and collaboration skills, proven through successful teamwork on multiple projects. Committed to staying updated with the latest industry trends and technologies. A dedicated professional who consistently delivers high-quality results.



## Skills

Mentor Graphics ModelSim



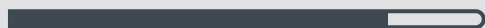
Vivado



Linux



Python



c++



Verilog, systemVerilog



## Education

### Bachelor of Computer engineering

2017 - 2021

Branch: Software

Institute/University: Industrial University of Noshirvani Babol  
Babol, Mazandaran, Iran

GPA : 18.47

### Master of Computer engineering

2021 - Present

Branch: Hardware

Institute/University: University of Tehran  
Tehran, Iran

GPA : 18.46



## Research

### MLBERT: Multi-Level Fully Binarized BERT

January 2024

Publisher: Muscat, Sultanate of Oman

Link : <https://iciestr.com/>

Submitted. In Progress



## Projects

### TEQN

For: Dr. Gholami Roudi

latex to troff math equations converter (compiler)

Language: C & CPP

Link : <https://github.com/mahdiElliot/teqn>



## Honors

first rank of Bachelor University  
(Noshirvani) in computer engineering  
field

January 2021

## English

Reading	<div><div></div><div></div><div></div><div></div><div></div></div>
Writing	<div><div></div><div></div><div></div><div></div><div></div></div>
Speaking	<div><div></div><div></div><div></div><div></div><div></div></div>
Listening	<div><div></div><div></div><div></div><div></div><div></div></div>



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mahdiElliot



## Teacher Assitant

### Computer Aided Design

2024

A course in the university of Tehran, teaching the approach to design hardware and low level systems.

By Dr. Mostafa E.Salehi and Dr. Mahdi Modarresi

### Compiler Course

2021

Compiler Course of Babol Noshirvani University,

By Dr.Gholami Roudi.

### Embedded AI

2024

A new course in the University of Tehran. Techniques and approaches to implement neural networks and machine learning algorithms on embedded systems.

By Dr. Mostafa E.Salehi and Dr. Mahdi Modarresi

### Embedded Multicore systems

2023

A hardware computer engineering course in University of Tehran about embedded systems.

By Dr.Salehi

### RTL verification

2024

a course to test and verify RTL design codes.

By Dr. Siamak Mohammadi



## Passed Courses

### Neural Networks and deep learning

2023

By Ahmad Kalhour