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Education	
B.Sc. in Computer Engineering <i>University of Sistan and Baluchestan, Iran</i>	<i>Zahedan, Iran</i> <i>Sep 2016 – Aug 2021</i>
<ul style="list-style-type: none"> - GPA: 17.8/20 (3.57/4 on WES scale) - Last two years 19.59/20 (4/4 on WES scale) - Thesis: Design of a wearable healthcare monitoring device for patients (Grade 20/20) Supervisor: Dr. Mohammad Hossein Sargolzaei - Selected Courses: Signals and Systems Analysis (20/20) – Electrical and Electronic Circuits (20/20) – Computer-aided Digital System Design (20/20) – Embedded and Real-time Systems (20/20) – Artificial Intelligence and Expert Systems (20/20) – Principles of Computational Intelligence (19.39/20) – Data Transmission (20/20) – Microprocessor and Assembly Language (20/20) – Logic Circuits (20/20) – Computer Networks (20/20) – Graph Theory (19.54/20) 	

Research Interests	
<ul style="list-style-type: none"> o DSP Circuits and Architectures o Reconfigurable Architectures o FPGA Design o Hardware Accelerators 	<ul style="list-style-type: none"> o High-performance Computing o Embedded Systems o Computer Architecture o Healthcare Devices

Patents	
Design and implementation of a wearable healthcare device for remote monitoring of patients suffering from chronic diseases. <i>University of Sistan and Baluchestan, Iran</i> <i>Dr. Mohammad Hossein Sargolzaei, Ali Abbasi</i>	<i>Expected to be submitted mid-Sep 2021</i>

Academic Experience	
Teaching Assistant <i>University of Sistan and Baluchestan, Iran</i>	<i>Sep 2018 – Jul 2020</i>
<ul style="list-style-type: none"> - Teaching assistant in various courses including Logic Circuits, Computer Architecture, Computer-aided Digital System Design, Digital Systems 2, Microprocessor and Assembly Language, Theory of Languages and Automata 	
Intern at the Center of Electronic Learning <i>University of Sistan and Baluchestan, Iran</i>	<i>Feb 2020 – Apr 2020</i>
<ul style="list-style-type: none"> - Helped facilitate online learning for students at the beginning of the COVID-19 pandemic on the Moodle platform. 	

Extracurricular Activities	
Xilinx ISE Design Suite Tutorial (Software Simulation + PDF) <i>University of Sistan and Baluchestan, Iran</i>	<i>July 2021</i>
iSpring Suite Tutorial (Video) <i>University of Sistan and Baluchestan, Iran</i>	<i>July 2021</i>

Selected Projects	
Signal Processing: <ul style="list-style-type: none"> - 8-tap 16-bit FIR Filter (VHDL), 4-point DCT (Verilog), ... 	
Cryptography: <ul style="list-style-type: none"> - 128-bit AES (Verilog), Triple DES (Verilog), DES (Verilog), ... 	
Artificial Intelligence: <ul style="list-style-type: none"> - C# Genetic-based solution for Traveling Salesman Problem (TSP), C# Implementation of the A* algorithm for solving a modified version of the n-queen problem, ... 	
Miscellaneous: <ul style="list-style-type: none"> - VHDL Implementation of an 8-channel 12-bit logic analyzer running on a Xilinx Spartan-6 FPGA using ADC128S102 analog-to-digital converter 	

Certificates	
Introduction to FPGA Design for Embedded Systems University of Colorado Boulder, Coursera Part of MSc in Electrical Engineering degree at the University of Colorado Boulder	Certificate not available due to the US sanctions
Hardware Description Languages for FPGA Design University of Colorado Boulder, Coursera Part of MSc in Electrical Engineering degree at the University of Colorado Boulder	Certificate not available due to the US sanctions
FPGA Softcore Processors and IP Acquisition University of Colorado Boulder, Coursera Part of MSc in Electrical Engineering degree at the University of Colorado Boulder	Certificate not available due to the US sanctions
MRI Fundamentals Korea Advanced Institute of Science and Technology (KAIST), Coursera A course covering the mathematics and physics behind Magnetic Resonance Imaging (MRI)	Certificate not available due to the US sanctions
Certificate of Participation: “Approaches to Scientific Reporting and Proposal Writing” University of Sistan and Baluchestan, Iran	Dec 2019
Certificate of Participation: “Wireless Networks Monitoring” University of Sistan and Baluchestan, Iran	Dec 2019
Certificate of Participation: “Fiber Optics” University of Sistan and Baluchestan, Iran	Dec 2019
Certificate of Participation in (English) Teacher Training Course (TTC) Silkroad Innovators Institute, Iran	Jun 2017

Skills and Hobbies
<ul style="list-style-type: none"> ○ Principal: VHDL, Verilog, Assembly x86, Digital Circuit Design and Analysis, Object-orientation, C++, C#, LaTeX ○ Software: ModelSim, Altera Quartus Prime, Xilinx Vivado, Xilinx ISE Design Suite, Proteus, CodeVisionAVR, Arduino, Microsoft Visual Studio, Microsoft Office ○ Social Skills: Teaching, Public Speaking, Presentation, Team Working ○ Hobbies: Playing electric guitar, playing badminton, watching movies and animation

Honors and Awards	
- Ranked top 7% among all students in computer engineering 2016 bachelor's program	July 2021
- Ranked top 6% in the Iranian university entrance exam (Konkoor) among more than 150,000 participants	Aug 2016

Languages	
English: Full Proficiency	IELTS Score (Academic): 7.5
German: Limited Working Proficiency	
Persian (Farsi): Native Proficiency	

References
<ul style="list-style-type: none"> ○ Dr. Mohammad Hossein Sargolzaei Ph.D. in Computer Hardware Engineering, University of Tehran, Iran, 2018 Assistant Professor, Faculty of Electrical and Computer Engineering, University of Sistan and Baluchestan, Iran mh.sargolzaei@ece.usb.ac.ir ○ Dr. Mehri Mehrjoo Ph.D. in Electrical Engineering (Telecommunications), University of Waterloo, Canada, 2008 Associate Professor, Faculty of Electrical and Computer Engineering, University of Sistan and Baluchestan, Iran mehrjoo@ece.usb.ac.ir ○ Dr. Farahnaz Mohanna Ph.D. in Electrical Engineering (Data Processing), University of Surrey, The United Kingdom, 2002 Associate Professor, Faculty of Electrical and Computer Engineering, University of Sistan and Baluchestan, Iran f_mohanna@ece.usb.ac.ir