Personal Information:

Name **Email**

Cell phone **Birth Date** **Marital status**

Country: **City:**

Webpage:

Education:

[2007 – 2010] : MSc in Electrical Engineering, School of Electrical and Computer Engineering, University of Tehran, Tehran, Iran (GPA:

Research fields:

- TA and Grader in Electrical Circuits II (2009-2010) – Dr. Bahman Dolatshahi
- TA in Microprocessors (2010-2011) – Dr. Omid Fatemi
- Site Administrator in IC Design Lab (2010-2011) – Dr.Shahin Jafargholi Ashtiyani
- Assistant in Microprocessors laboratory – Dr. Omid Fatemi

Articles:

- High IIP3 and Low-Noise CMOS Mixer Using Nonlinear Feedback Technique *(Submitted in Springer, Authors: Amir Amirabadi, Mojtaba Chehelcheraghi, and Mahmoud Kamarei)*

Fields of Interests:

- Analog and RF IC Design
- VLSI Design
- Microwave Circuit Design
- Microcontrollers
- Image Processing and Bioelectronics

Languages:

- English (Advanced)
- French (Intermediate)
- Persian (Native)

Skills

- RF and Analog Layout Design
- Coding : C Programming, Assembly
- Hardware and VLSI Design Using Verilog

Electrical Software's Skills

- PSpice
- Matlab and Simulink
- Proteus And Codevision
- Quartus
- HSpice
- Altium Designer

Computer Skills:

- Web Design (HTML & PHP & MySQL) **(Expert)**
- Adobe Photoshop **(Expert)**
- Adobe Flash **(Expert)**
- Linux (RHEL)
- Microsoft Office (Word, Excel, PowerPoint, Visio)

Academic Projects:

- **Layout Design**
  1. Layout Design of the Mixer in above article

- **Microprocessors:**
  1. Implementation of Xmodem Protocol for file transformation between AVR microcontroller and PC COM port
  2. Fan's speed controller, using temperature sensor and embedded tachometer.
  3. Implementation of a simple calculator

- **VLSI and Verilog (Quartus):**

1. Design and Implementation of a simple accounting machine
2. Designing and implementing a voter
3. Design and Implementation of a multiplier

- **C Programming and Assembly**
  1. Design and Implementation of a widespread software with excellent GUI and various tools (C programming)
  2. A simple calculator (Assembly)

- **Matlab and Simulink**
  1. Simulating the operation of a transformator and handling the undesired harmonics in saturation mode (simulink)
  2. Discussing different kinds of Control feedback systems (matlab)

- **Others**
  1. DC motor speed controlling, using H-Bridge
  2. Construction of an ultrasonic transmitter and receiver circuit

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Honors and rewards

- Ranked 101 among about 500 thousand participants in the nationwide entrance exams for universities in Iran
- Editor and corrector in mathematic field in two of the greatest publication centers in Iran (Kanoon – GAJ).

Sports

- Swimming
- Horse Riding

Hobbies

- Reading Iranian ancient poets
- Surfing the internet
- Reading about philosophy and politics
- Going to nature