

EDUCATION

Amirkabir University of Technology B.S. in Computer Engineering, GPA: 3.7/4.0	Tehran, Iran 2018–Current
Amirkabir University of Technology B.S in Electrical Engineering, GPA: 3.6/4 - Double Degree	Tehran, Iran 2017–Current

WORK EXPERIENCE

Iran Telecommunication and Research Center Full-Stack Developer <ul style="list-style-type: none">– Front-End and Back-End developer– Design Horn Antenna - with C# and ASP.Net Back-End	Tehran, Iran 2019 - Current
Daya-Rahyaf Co. AI Algorithm Researcher for Trading <ul style="list-style-type: none">– Develop an AI-based Algorithm for trading in Iranian-Stock.– Research on LSTM, CNN, Fundamental and Technical Analysis.	Tehran, Iran 2020 - Current
CarBnB Co. Data Miner <ul style="list-style-type: none">– Mine Data from some Iranian web sites.– Save Mined-Data to Pandas data-frame and export it for MySQL and ReThinkDB.	Tehran, Iran 2019 - 2020
Tinaio Co. Industrial Server Designer for IoT Devices <ul style="list-style-type: none">– ESP Arduino Programming with Network Stability– Develop MQTT protocol for IoT devices with low-power Network.	Tehran, Iran 2018 - 2020

TEACHING

• Robotic Teacher at FIRA Robotic School <i>Python 3 for Robotics course</i>	Spring 2020
• Robotic Teacher at FIRA Robotic School <i>Image Processing course (Online)</i>	Summer 2020

ACTIVITIES / LEADERSHIP

- Tech-focused Start-Up Ideas
- Algorithm and Programming Competitions

SKILLS

- **Python** AI
- **C#** Desktop
- **HTML5 - CSS3 - JavaScript** Front-End
- **PHP** Back-End
- **MySQL - RethinkDB - MongoDB** Database
- **Java - XML** Mobile
- **Arduino - ARM Keil** Embedded Systems

LANGUAGES

- **English** Fluent
- **Persian** Native

SOFTWARES

- **Altium Designer**
- **Wordpress**
- **WireShark**

PROJECTS

See full list of projects on ahsefati.ir work section.

- **Home Security Camera with Motion Detection** 2020
Full IoT protocols, Server and User Interfaces are implemented.
- **Skin Disease Detection using Deep Learning** 2020
Full Models, Server and Android app will be implemented.

HONORS

- Top rank in the entrance exam 2016
- Grant for studying double degree in EE and CE field. 2019
- Grant for Iran's National Elites Foundation 2019

COURSES

Machine Learning by Andrew NG
an online course authorized by Stanford University and offered through Coursera 2020

Introduction to Internet of Things by Stanford faculty
an online course authorized by Stanford university 2020

INTERESTS

- AI and Machine Learning
- IoT and Connectivity
- Robotics