Amirhossein Sefati

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EDUCATION

Amirkabir University of Technology — Tehran, Iran
B.S. in Computer Engineering, GPA: 3.7/4.0 — 2018–Current

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

WORK EXPERIENCE

Iran Telecommunication and Research Center — Tehran, Iran
Full-Stack Developer — 2019 - Current
- Front-End and Back-End developer
- Design Horn Antenna - with C# and ASP.Net Back-End

Daya-Rahyaft Co. — Tehran, Iran
AI Algorithm Researcher for Trading — 2020 - Current
- Develop an AI-based Algorithm for trading in Iranian-Stock.
- Research on LSTM, CNN, Fundamental and Technical Analysis.

CarBnB Co. — Tehran, Iran
Data Miner — 2019 - 2020
- Mine Data from some Iranian web sites.
- Save Mined-Data to Pandas data-frame and export it for MySQL and ReThinkDB.

Tinaio Co. — Tehran, Iran
Industrial Server Designer for IoT Devices — 2018 - 2020
- ESP Arduino Programming with Network Stability
- Develop MQTT protocol for IoT devices with low-power Network.

TEACHING

- **Robotic Teacher** at FIRA Robotic School — Spring 2020
  Python 3 for Robotics course
- **Robotic Teacher** at FIRA Robotic School — Summer 2020
  Image Processing course (Online)

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

Softwares

- **Altium Designer**
- **Matlab**
- **Wordpress**
- **WireShark**
- **Xampp**

Languages

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

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
- Member of Iran's National Elites Foundation — 2019

Courses

Machine Learning [see certificate] — by Andrew NG
an online course authorized by Stanford University and offered through Coursera — 2020

Introduction to Internet of Things [see certificate] — by Stanford faculty
an online course authorized by Stanford university — 2020

Interests

- AI and Machine Learning
- IoT and Connectivity
- Robotics