

## Professional Summary

---

A passionate learner with engineering and business management background. I am interested in using the power of Big Data to address challenges and uncertainties associated with the “Future of Work”.

## Skills Summary

---

**Programming:** Python, R, HTML, CSS, JavaScript

**Data Analysis:** Python (Pandas, NumPy), SQL (SQLite)

**Visualization Packages:** D3.js, Plotly

**System Simulation:** Vensim, NetLogo

**General:** Microsoft Office Suite, Adobe CS Suite

## Certificates

---

**Python Basics**, University of Michigan, Coursera Certificate, Dec. 2018

**Python Functions, Files and Dictionaries**, Coursera Certificate, Dec. 2018

**Data Collection and Processing with Python**, Coursera Certificate, Dec. 2018

**Understanding and Visualizing Data with Python**, Coursera Certificate, Nov. 2018

**Information Visualization: Programming with D3.js**, New York University, Coursera, Nov. 2018

**Python for Everybody Specialization**, University of Michigan, Coursera Certificate, June 2018.

Programming for Everybody, Coursera Certificate, March 2018.

Python Data Structure, Coursera Certificate, April 2018.

Using Python to Access Web Data, Coursera Certificate, May 2018.

Using Databases with Python, Coursera Certificate, May 2018.

Capstone: Retrieving, Processing, and Visualizing Data with Python, Coursera Certificate, June 2018.

**Agent-Based Modeling**, Santa Fe Institute, Massive Open Online Course, Summer 2017.

## Selected Awards and Honors

---

- Alzahra University Distinguished Student Award - Top Rank Student, Tehran, Iran, 2017
- Award of Service, 1<sup>st</sup> National Conference on Information Management Innovation, Tehran, Iran, 2017
- Excellence Scholarship, Alzahra University, Tehran, Iran, 2016
- National Association of Entrepreneur Women Award, Tehran, Iran, 2015
- Undergraduate Full Scholarship, Iran University of Science and Technology, Tehran, Iran, 2008

## Publication

---

**Amini, E.;** Khadivar, A.; “An Agent-Based Modeling Approach to Regenerate Economic Sectors’ Total Demand”, *5<sup>th</sup> Conference on the Application of Input-Output models in Economic and Social Planning*, Tehran, Iran, 2018.

## Academic Services & Experiences

---

### Teaching Assistantship

System Dynamics, Alzahra University, 2016-2017

System Dynamics, Tarbiat Modares University, 2016-2017

**Organizing Committee**, 1<sup>st</sup> National Conference on Innovation in IS/IT Management, Oct. 2016

## Volunteer Activities

---

**Organizing Committee**, “Women, Sustainable Development and Green Management” workshop, 2016  
**Co-founder**, Nasim Student Association, **IUST**, 2010