Arman Sepehr

ML Researcher
PhD, SUT
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Education

PERIOD	**September 2016 — July 2022**
DEGREE	**PhD in Artificial Intelligence**
DEPARTMENT	**Computer Engineering Department**
UNIVERSITY	**Sharif University of Technology**,Tehran, Iran
THESIS	**Information and Influence Diffusion in Social Network**
GPA	18.5/20

I heavily worked on probabilistic graphical model in the graph with the application in social network application. Additionally, I motivated and worked on theory of machine learning specially in deep learning methods.

PERIOD	**September 2011 — September 2013**
DEGREE	**Master of Science in Artificial Intelligence**
DEPARTMENT	**Computer Engineering Department**
UNIVERSITY	**Sharif University of Technology**, Tehran, Iran
GPA	17.6/20

I did research on data-stream to find out the concept-drift. In this period, I have passed "Statistical Pattern Recognition", "Machine Learning", "Neural Network" and "Analysis of Complex Dynamical Network" which are heavily related to my thesis.

PERIOD	**September 2007 — September 2011**
DEGREE	**Bachelor of Science in Computer Engineering**
RANK	**3rd one with honors**
UNIVERSITY	**Sharif University of Technology**, Tehran, Iran

Experience:

PERIOD	**November 2022 — Now**
EMPLOYER	**Fieldstream**, Stockholm, Sweden
JOB TITLE	**Senior Software Engineer**
RES. FOR	Extract data from different data source, normalize it. Finally, save incoming data to appropriate database.

PERIOD	**December 2019 — Now**
EMPLOYER	**Arnika AI**, Tehran, Iran
JOB TITLE	**Chief Technology Officer**
RES. FOR	Arnika has two major products in analyzing financial data and algorithmic trading. In this company, I responsible for managing technical team from algorithmic to software perspective.

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PERIOD	**January 2019 — September 2021**
EMPLOYER	**Modern ISC**, Tehran, Iran
JOB TITLE	**Big Data Engineer**
RES. FOR	In this company, I designed and implemented a platform to analyze both software and infrastructure log at scale. The platform save and archive data as well, then events can be retrieved efficiently.

PERIOD	**October 2016 — February 2019**
EMPLOYER	**Parsa Sharif**, Tehran, Iran
JOB TITLE	**Big Data Researcher**
RES. FOR	I worked around different big data platforms such as ELK, Hadoop and Spark. I verified many solution to handle log aggregation and machine learning method at scale.

PERIOD	**December 2015 — September 2016**
EMPLOYER	**Parsian Insurance**, Tehran, Iran
JOB TITLE	**Project Manager**
LANGUAGES	**J2EE**
RES. FOR	Our group developed life insurance software with struts2.

SKILLS

Computer Languages	Python, PHP, Java, C/C++
Deep Tools	Keras, PyTorch
Databases	NoSQL, MySQL, PostgreSQL, Microsoft SQL
Tools	GIT, SVN

HONORS

– Awarded Internship Scholarship, Max-Planck Institute for Software System(MPI-SWS), Kaiserlautern Germany, 2015

– ITRC Research Grant Award, Telecommunication Research Center(ITRC) Research Grant, awarded to my Master thesis, 2012.

– Awarded Fellowship of Exceptional Talents, Sharif University of Technology for Master of Science, 2011

– Ranked 3rd student of BS, Department of Computer Engineering, Sharif University of Technology, 2011.

PUBLICATIONS:

– Arman Sepehr and Hamid Beigy, "Epidemiological Network of COVID-19: Contribution of Each Country in the Pandemic", submitted to Expert System with Application.

– Arman Sepehr and Hamid Beigy, "Structural Virality Estimation and Maximization of a Cascade in Social Networks", Expert System with Application, 2022.

– Arman Sepehr et al., "Revert Propagation: Who are responsible for a contagion initialization in a Diffusion Network?", IKT 2020

– Arman Sepehr and Hamid Beigy. "Viral Cascade Probability Estimation and Maximization in Diffusion Networks:", IEEE TKDE 2018.

– "Multi-class semi-supervised classification of data streams", MSc thesis, (in Persian), Oct 2013.

REFERENCES

For further information you can contact to the following professors:

– Prof Hamid Beigy, Associate Professor, Computer Engineering Department of Sharif UT, beigy@sharif.edu

– Prof Jafar Habibi, Associate Professor, Computer Engineering Department of Sharif UT, jhabibi@sharif.edu

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