

Anoushirvan Rashidinia

Contact Information

Department of Electrical Engineering, Iran University of Science and Technology, Tehran, Iran.
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Education

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- » **Master of Science** in Electrical Engineering - Electronics, [Iran University of Science and Technology](#), Tehran, Iran, Oct. 2015; GPA 16.17 out of 20, **MSc. Thesis:** DGPS Corrections Prediction using RBF Neural Network Trained by Evolutionary Algorithms, under Supervision of [Prof. S. M. Mousavi](#)
 - » **Bachelor of Science** in Electrical Engineering, Islamic Azad University Tehran Central Branch, Tehran, Iran, 2012; Last Two years GPA: 15.2 out of 20; Overall GPA 14.26 out of 20. **B.Sc. Thesis:** Design and Construction of the System of Extinguish Flame and Inform the Fire Station and House Owner by GSM Modem, under Supervision of [Dr. A. Kalantari](#)

Research Interests

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- » **Deep Learning (Neural Networks Architecture, Fuzzy, Evolutionary Algorithms) and Reinforcement Learning**
 - » **System Design**
 - » **Microprocessor**

Honors & Awards

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- » Received full governmental fellowship for domestic master studies.
 - » Rank 1st in ALPR competition in Department of Transportation.
 - » Rank top 0.1% of the Nationwide Matriculation Exam (Konkoor).

Publications

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- A. Rashidinia, S. Gavrilenco, M. Pochebut and O. Sytnikova, “[Software Security Overview](#)”, Management, navigation and communication systems, Issue 2, P. 55-59, 2019.
- A. Rashidinia and M. R. Mosavi, “[A Novel Approach in Neural Network based on Sinc Function for DGPS Corrections Prediction](#)”, 49th Annual Iranian Mathematics Conference, Iran, 2018.
- M. R. Mosavi and A. Rashidinia, “[Improving Accuracy of DGPS Correction Prediction in Position Domain using Radial Basis](#)

Function Neural Network Trained by PSO Algorithm”, Iranian Journal of Electrical and Electronic Engineering, Vol.13, No.3, 2017.

Research &
Practical Experience

- » Design and develop Generating encrypted key program based on Electroencephalogram **EEG**, 2021.
 - » Design and develop **Text abstractor and classifier** program for ArXiv articles based on **Bert model**, 2020.
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Teaching Experience

- » **Teacher Assistance**, in assistance of [Prof. K. Maleknejad](#), Calculus 1 & 2, at School of Mathematics, IUST, since 2014.
 - » **Teacher Assistance**, in assistance of [Prof. A. Golbabai](#), Computational Mathematics at Engineering Mathematics at Faculty of Engineering, IUST, two semesters in 2010 and 2011.
 - » Tutoring Calculus and Physics for High School Students, at Alborz-e-no High School 2014 –2018 (July).
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Work Experience

- » **Design and develop** semantic segmenter and pose estimator based on Mask R-CNN and PoseNet for BodyPose startup, 2022.
 - » **Design and develop AI based ALPR** project for WIM system (designing and training convolutional neural networks based on YOLO Object Detection Method) with 98.6 percent accuracy for **Towzin group**, 2018 - 2020.
 - » Design hardware and tester unit of fast **EV charger** for Zagrus Group, 2016 - 2018.
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Some M. Eng.

Courses Attended

- » Designing Intelligent Systems
 - » Statistical Pattern Recognition
 - » Designing High-frequency Electronic Circuits
 - » Designing Hardware by VHDL
 - » Microprocessor 2
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Computer Skills &
Engineering Softwares

- » **Python, C/C++, Matlab**
- » **Tensorflow, PyTorch, Git, Django, Numpy, Pandas, MySQL**

Language Skills
[Standardized Tests]

Farsi (native), English (fluent),
IELTS (Academic): scored **7.5** (L:8.5, R:7.5, W:6.5, S:7), 2020

Certificates

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- » SimpliLearn **Machine Learning** Online course
 - » SimpliLearn **Data Science with Python** Online course
 - » SimpliLearn **Git** Online course
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References

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- » Seyed Mohammadreza Mousavi mirkalaei, Professor School of Electrical Engineering and Director of advanced Study at, Iran University of Science and Technology
M_Mosavi@iust.ac.ir
 - » Sattar Mirzakuchaki, Professor Head Department, School of Electrical Engineering, Iran University of Science and Technology
m_kuchaki@iust.ac.ir
 - » K. Maleknejad, Professor School of Mathematics at Iran University of Science and Technology, maleknejad@iust.ac.ir
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Extracurricular
Activities

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- » Skiing
 - » Gym
 - » Soccer
 - » Jogging
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