Fatemeh Daraee

DETAILS

Assistant professor, Semnan University

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ABOUT ME

My research interests are mostly focused on Pattern Recognition, Deep learning, artificial intelligence and machine learning algorithms. I am proficient in the Python programming language and Tensorflow and Keras tools for Deep learning and Machin learning tasks. My research interests are mostly focused on Handwritten Documents Recognition, Deep Convolutional neural networks, Deep Learning, Data analysis, Business Intelligence.

SKILLS

Power BI   ●●●●●●●●●
Python   ●●●●●●●●●
SQL Server   ●●●●●●●●
Deep learning   ●●●●●●●●
Data analysis   ●●●●●●●●●

LANGUAGE

Farsi,
English

COURSES

- ✓ Training Course of Business Intelligence. This course included 110 hours of interactive and practical training.
- ✓ ICDL

OTHER SKILLS

- ✓ Business Intelligence
- ✓ Keras
- ✓ Team Working
- ✓ Vollyball Referee & Player

PROFESSIONAL EXPERIENCE

Worked at Aysan Parsian Company, contributing to Data analyst and BI developer, enhancing analytical skills and project management expertise.

Scientific Colleague of Semnan University, 2011 – 2022 (10 yrs), Training of Electrical and Computer engineering students.
Scientific Colleague of Semnan University (Farzanegan Pardis), 2015 – 2022 (6 yrs), Training of Computer engineering students.

Accomplishments:
Handwritten keyword spotting using deep neural networks and certainty prediction, 2021, Computers & Electrical Engineering.

Watermarking in Binary Document Images using Fractal Codes, 2013, Pattern Recognition Letters.

A Fast Pipelined Lookup Table Based Hardware Implementation for Fractal Coding of Binary Images, 2012, Electrical Engineering (ICEE), 20th Iranian ICEE Conference, IEEE Conference Publications.
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Watermarking in Farsi/Arabic binary document images using fractal coding, 2011, Information Security and Cryptology (ISCISC), 8th International ISC Conference, IEEE Conference Publications.

Eroded Money Notes Recognition using Wavelet Transform, 2010, Image Processing (MVIP), 6th Iranian MVIP Conference, IEEE Conference Publications.

EDUCATION

University of Birjand, Doctor of Philosophy – PhD, Thesis title: A Deep learning Model for key-word spotting in handwritten documents. Score: 20. Activities and Societies: Machine learning and Deep learning algorithm, Convolutional Neural Network.
Semnan University, Master's degree, Thesis title: Information Hiding in Farsi Typewritten document Images using Fractal theory, Score: 18.75. Activities and Societies: Research on Fractal theory, Watermarking.
Semnan University, Bachelor's degree, Electrical Engineering, 2006 – 2010. Thesis title: Eroded Money Notes Recognition using image processing methods. Score: 19.5.

HONORS & AWARD

The first student in PhD.

INTERESTING

- ✓ Machine learning and Deep learning projects.
- ✓ BI Developer
- ✓ Data science and Data analysis.

REFERENCES

- ✓ Saeed Mozaffari, Semnan University, Research Associate (University of Windsor, Canada). Mozaffari@semnan.ac.ir
- ✓ Ali Asghar Orouji, Semnan University. Aliaorouji@semnan.ac.ir
- ✓ Seyyed Mohammad Razavi, University of Birjand. Smrazavi@birjand.ac.ir