S. Sadeq Saberi

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EDUCATION

M.Sc. Electrical Engineering | Ferdowsi University of Mashhad| Mashhad, IR
2019 – 2025

Thesis Topic: Unsupervised Anomaly Detection in Hyperspectral Images Using a Variational Autoencoder and Spatial Anomaly Detector Fusion
Supervisor: Dr. Seyed Alireza Seyedin

- GPA 3.4/4 (17.01/20) via 15 credits

B.Sc. Electrical Engineering | University of Neyshabur| Neyshabur, IR
2015 – 2019

Thesis Topic: "A weighted full-reference image quality assessment based on visual saliency"
Supervisor: Dr. Mostafa Monemizadeh

- GPA 3.5/4 (16.89/20)

RESEARCH INTERESTS

- Deep Learning
- Hyperspectral image processing
- Machine vision
- Signal Processing
- Neural Network

ACHIEVEMENTS

- Ranked top 3% among 150,000+ students in Electrical Engineering Master of Science Nationwide University Entrance Exam in Iran.   2019
- Ranked the top 5 students among 80+ in the Electrical Engineering department   2018
- Ranked 2nd in the country, attended Khayyam National Festival, University of Neyshabur, Neyshabur, Iran.   2018

COMPUTER SKILLS

- Programming: Python, MATLAB
- Engineering: Pytorch, Envi, PSpice, AutoCAD, Proteus, AVR

SELECTED COURSES

- Neural Network and Deep Learning
- Machine learning
- Pattern recognition
- Advanced Digital Signal Processing
- Information theory
- Digital image processing

NOTABLE PROJECTS

- Super Resolution GAN
- Autoencoder for Anomaly Detection
- Image Classification using Deep learning
- Image Quality Assessment
- Steganography
- Motion detection

EXPERIENCE

Laboratory Research Assistant | SAR Research Laboratory, Ferdowsi University of Mashhad| **Mashhad, IR**
SEP 2019 – 2025
Hyperspectral Image Processing

Teacher Assistant| University of Neyshabur | **Mashhad, IR**
OCT 2018 – JAN 2019
Signals and Systems

Teacher Assistant| University of Neyshabur | **Mashhad, IR**
OCT 2018 – JAN 2019
Field and wave electromagnetics

Internship | Telecommunication Company of Iran - TCI | **Mashhad, IR**
SUMMER 2018
Developed Provide planning and design services in implementation of Fiber to the Subscriber (FTTX) network

LANGUAGE PROFICIENCY

- English
- Persian, Native proficiency

> **References and further information are available upon request.**