EHSAN SALEH

Date of birth: October 9, 1993
Gender: Male

Daliri St., Zafar St., Tehran, Iran

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LinkedIn | Google Scholar

INTERESTS

- *Product Manager*
- *Content Creator*
- *Web Design*

EDUCATION

Iran University of Science and Technology (IUST), Tehran, Iran
M.Sc. Electrical Engineering -Bioelectric

Sept 2017-Apr 2021

GPA: 16.98/20 (3.88/4)

Thesis: Application of Deep Learning in the Classification of Basal Cell Carcinoma and Squamous Cell Carcinoma Skin Cancers
Supervisor: Dr. Hamid Behnam

Qom University of Technology (QUT), Qom, Iran
B.Sc. Electrical Engineering -Telecommunication

Sept 2012-Jun 2016

GPA: 15.26/20 (3.02/4)

Thesis: Multichannel ECG Data Compression Based on Multiscale Principal Component Analysis Using MATLAB
Supervisor: Dr. Roozbeh Rajabi

EXPERIENCE

Work Experience

- **English Instructor**
  Pardisan Institute, Tehran, Iran
  Oct 2024-Dec 2024
  Tasks: Taught American English File Level 2 and 5
- **Product Manager and Sales & Support**
  Namavaran Rah Nikroozi Law Firm (Immigration Company), Tehran, Iran
  Jun 2021-Oct 2024
  Tasks: Designed and created wireframes using Balsamiq software for website projects (applyerz.ir), Selected and developed educational programs, Monitored and guided the application process, ensuring compliance and successful submission
- **Internship**
  Transmission Section of Tehran Telecommunication company, Tehran, Iran
  Jul 2015- Sep 2015
  Tasks: Monitored the performance and status of transmission systems, identifying and reporting issues in network operations

Research Assistant

- ***Bioelectric Engineering Lab, Iran University of Science and Technology (IUST)***, *Dec 2017-Apr 2021*
  Dr. Hamid Behnam & Dr. S.H.Sabzpoushan
  Laboratory work: Deep Learning Implementation for Medical Image and Signal Analysis and Classification (Dermoscopy Images and Apnea ECG Signals)
- ***Physiology Lab, Pasteur Institute of Iran***, *Jan 2019 -Jun 2019*
  Dr. Hamid Gholami Pourbadie
  Laboratory work: Surgery for electrode implantation in the hippocampal area of the rat brain to record and analyze LTP (Long-Term Potential) electrophysiological signals
- ***School of Congnitive Science, Institute for Research in Fundamental Sciences(IPM)***, *Mar 2021-Mar 2023*
  Collaboration with Dr. Ali Ghazizadeh
  Laboratory work: EEG Signal Recording and Analysis with Deep Learning and Machine Learning Algorithms

PROJECTS
- *"Classification of Breast Tissue Data Using Neural Network and PCA as Dimension Reduction" in MATLAB, Dr. Mohammadreza Daliri, Pattern Recognition Course, IUST, Fall 2017*
- *Replication of Various ICA 's Methods (PiCA, Fast-ICA, Different cost-functions and Different Optimization Methods for ICAs) in MATLAB, Dr. Aboozar Ghaffari, Blind Source Separation (BSS) course, IUST, Spring 2019*
- *Replication of "ICA and Adaptive filter for removing Ocular Artifacts for Motor Imagery-Based BCI" in MATLAB, Dr. Vahid Shalchyan, BCI course, IUST, Fall 2018*

PUBLICATIONS
- *F. Soltani, A. Ayatollahi, S. Afrakhteh, E. Saleh," Sleep Apnea Detection based on ECG Signal Using Deep CNN-based Structures", Journal of Evolving Systems, Springer, 2022 (Link)*

- *E. Saleh, H. Behnam, M. Nasimi, A. Mahbod," Application of deep learning in the classification of basal cell carcinoma and squamous cell carcinoma skin cancers" (in prep)*

AWARDS & HONORS
- *Bachelor's degree in electrical engineering from public university and **received scholarship***
- *Ranked within the top 10% among more than 6000 participants in Iranian university entrance exam for master degree in Electrical engineering-Bioelectric*
- *Ranked within the top 30% among all major graduate students, **the last 2 semester's GPA: 17.65/20 (4/4)***

CERTIFICATES

- ***MATLAB Programming***
  Certificate at Tehran Institute of Technology - Jul 2014
- ***Supervised Machine Learning: Regression and Classification***
  Coursera - Mar 2024 (Link)

SKILLS

Programming Language: **MATLAB, Python (PyTorch, TensorFlow, Keras, scikit-learn, pandas, NumPy, OpenCV), SQL, Flask, FastAPI,** *C++*
Applications: *Microsoft office (Word, Excel, Powerpoint), Balsamiq*

LANGUAGES

Persian: *Native*
English: *Fluent (**IELTS Academic: Overall:6.5 L:6.5 R:6 W:6.5 S:7**)*