

Parisa Hatami

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RESEARCH
INTERESTS

- Artificial neural networks
- Machine learning
- Deep learning
- Image processing
- Detection and classification of different cancers

EDUCATION AND
QUALIFICATION

- **M.S. in Biomedical Engineering, Biomedical Engineering Department, Amirkabir University of Technology (September 2017 – July 2020)**
 - **M.Sc. Thesis:** Detecting and classifying cancerous and non-cancerous masses in breast with deep learning
Supervisor: Dr. S. Ali Seyyedsalehi (ssalehi@aut.ac.ir)
- **B.S. in Electronic, Department of Engineering, Adiban Institute of Higher Education (September 2011- September 2016)**
 - GPA= 16.05/20

EXPERIENCES

- Working with Convolutional Neural Networks, Capsule Neural Network, RCNN, Faster-RCNN and Mask RCNN both theoretically and practically
- Classification of breast tumors with pre-trained models like VGG16
- Implementation of Recurrent neural network like LSTM
- Training backpropagation models for recognizing Persian alphabets in voice without using specific libraries
- Working with DeepFake detection by CNNs and LSTM
- Removing logo by AI
- Enhacing resolution of image by AI
- Working with GANs for DeepFake

SKILLS

- Programming language
 - Python
- Framework
 - Tensorflow
 - Keras
 - Pytorch
- Software
 - MATLAB
 - Anaconda
 - Jupyter Notebooks

- Google Colaboratory
 - Platforms
 - Windows
 - Linux
- TEACHING ASSISTANT**
- **Artificial Neural Network**
Instructor: Dr. S. Ali Seyyedsalehi
Biomedical Engineering Department, Amirkabir University of Technology
 - **Computer Architecture**
Instructor: Dr. Hossien P.Bashash
Department of Engineering, Adiban Institute of Higher Education
- ARTICLE**
- Under drafting (Detecting and classifying cancerous and non-cancerous masses in breast with the modification of Mask R-CNN and VGG16)
- HONOURS**
- Ranked in the top 0.3th percentile in Iran's National Universities Entrance Exam for graduate school.
 - Among top rank of Department of Engineering during B.S. level, Adiban Institute of Higher Education.
- CERTIFICATION**
- Test Of English as a Foreign Language**
- My Best Score: 90
 - Reading: 24
 - Listening: 23
 - Speaking: 20
 - Writing: 23
- Graduate Record Examinations (GRE)**
- Total: 304
 - Verbal: 141
 - Quantitative: 163
- PERSONAL**
- Mountain climbing
 - Painting chiaroscuro
- REFERENCES**
- Available upon request.