

# Amirhossein Abaskohi

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## WORK EXPERIENCE

### Undergraduate Research Assistant

Data analytics lab

11/2020 - Present

Contact: Dr. Bahrak

### Undergraduate Research Assistant

Advanced Robotics and Intelligent Systems

02/2021 - Present

Speech to text network

Contact: Dr. Moradi

### Data mining engineer

Iran University of Science and Technology

12/2019 - 06/2020

## PERSONAL PROJECTS

#### Speech classification

- A CNN for speech classification using Tensorflow.
- <https://github.com/AmirAbaskohi/Voice-Recognition>

#### Cognitive Speech recognition

- <https://github.com/AmirAbaskohi/CognitiveTests>
- Speech to text system

#### MNIST classifier

- <https://github.com/AmirAbaskohi/CognitiveTests>

#### Anomaly detection

- <https://github.com/AmirAbaskohi/Anomaly-detection-and-Recommendation-system>

#### California house pricing

- <https://github.com/AmirAbaskohi/EndToEnd-CaliforniaHousePricePrediction>

#### Covid19 classifier (Based on X-ray images)

- <https://github.com/AmirAbaskohi/Covid-19-Classfier>

#### Checkers AI (MINIMAX)

- <https://github.com/AmirAbaskohi/Checkers-using-pygame>

## EDUCATION

### BSc Computer Engineering

University of Tehran

09/2018 - Present

17.8

Courses

- Artificial Intelligence : 20
- Design and Analysis of Algorithms : 20
- Data structures : 19.8
- Engineering probabilities and statistics : 17.7
- Engineering Mathematics : 18.5

## SKILLS

NLP

ML

Deep Learning

Numpy

Pandas

Scipy

Tensorflow

Transformers

Python

R

SQL

Spark SQL

CNN

Octave

Matlab

## CERTIFICATES

Machine learning Coursera

By Andrew Ng

Appliance data science with python Coursera

By University of Michigan

Distributed Computing with Spark SQL

By UC Davis

## READ ARTICLES

Attention Is All You Need

Data Snooping Biases in Financial Analysis

Learning internal representations by error propagation

Practical Recommendations for Gradient-Based Training of Deep Architectures

Wide & Deep Learning for Recommender Systems

WAV2VEC UNSUPERVISED PRE-TRAINING FOR SPEECH RECOGNITION

Emotion Recognition from Speech Using Wav2vec

## LANGUAGES

English

Full Professional Proficiency

Persian

Native or Bilingual Proficiency

## INTERESTS

NLP

ML

AI

Deep Learning

Speech Recognition

Cloud Computing

Data analytic