# Sina Razi Moftakhar


**Contact Information**

Sina Razi Moftakhar
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Department of Electrical engineering and Computer engineering of University of Tabriz
Tabriz, Iran


**Fields of Interests**

Machine Learning, Deep Learning, Computer Vision, Natural Language Processing (NLP)

**Education**

**University of Tabriz**, Tabriz, Iran

B.Sc., Computer Science — **September 2018 - April 2022**

- GPA: 18.12 out of 20

**National Organization for Developing Special Talents (NODET)**, Urmia, Iran

Pre-university Certificate in Physics & Mathematics — **June 2018**

- GPA: 19.05 out of 20

Diploma Certificate in Physics & Mathematics — **June 2017**

- GPA: 19.40 out of 20

**Academic Experience**

- Teacher assistant of Discrete Mathematics — **February 2022 - July 2022**
  Course syllabus of Professor Seyed Amir Mortazavi
- Teacher assistant of Linear Algebra and its applications
  Course syllabus of Professor Seyed Amir Mortazavi
- Graduated at 7th semester — **April 2022**
- Ranked 3rd among 80 students
- Bachelor's thesis: — **September 2021 - January 2022**
  Froth flotation using computer vision algorithms
- System Admin Apprenticeship in — **March 2021 - September 2021**
  Information Technology (IT) department of Urmia Petrochemical
- Top 0.02 among 134183 students in — **July 2018**
  Iranian university entrance exam (Konkor)

**Certificates**

**Language**

- IELTS IDP (7 out of 9)
- (Speaking:7, Writing:6.5, Reading:7, Listening:7.5)

**Professional**

- **Issued by Stanford Online**
  - **Machine Learning**

- **Deeplearning.ai**
  - **TensorFlow in Practice Specialization**
    - **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**
    - **Convolutional Neural Networks in TensorFlow**
    - **Natural Language Processing in TensorFlow**
    - **Sequences, Time Series and Prediction**

  - **Deep Learning Specialization**
    - **Neural Networks and Deep Learning**
    - **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**
    - **Structuring Machine Learning Projects**
    - **Convolutional Neural Networks**
    - **Sequence Models**

- **University of Michigan**
  - **Programming for Everybody (Getting Started with Python)**
  - **Python Data Structures**
  - **Capstone: Retrieving, Processing, and Visualizing Data with Python**
  - **Using Python to Access Web Data**

- **University of California, Santa Cruz**
  - **C for Everyone: Programming Fundamentals**

- **University of Illinois at Urbana-Champaign**
  - **Object-Oriented Data Structures in C++**

## Projects

**Professional**

- Percolation
- Atomic Nature of Matter
- Travelling salesman problem
- Implementing Machine learning algorithms from scratch
  - Linear Regression
  - Logistic Regression
  - Anomaly Detection and Simple Recommender Systems
  - Dimension Reduction and PCA
  - Simple Convolutional Neural Networks (CNN)
- Image Segmentation of Handwritten Digits
- Neural Style Transfer
- Emojifier, An NLP application to predict emojis from sentence.

## Skills

**Programming Languages**

- Python (Advance)
- C/C++ (Intermediate)
- Java (Intermediate)
- SQL (Intermediate)
- Html, CSS ((Intermediate)

**Programming Frameworks**

- Tensorflow/Keras (Advance)
- Pytorch (Upper-Intermediate)
- Django (intermediate)

## Languages

- English (fluent)
- Turkish (native)
- Persian (native)
- German (beginner)
- Arabic (elementary)