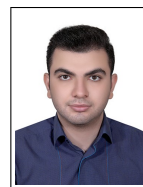


## Sina Razi Moftakhar



### CONTACT INFORMATION

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Willy-Brandt-Allee 14, D-81829  
München, Deutschland  
Faculty of Computer Science  
FAU Erlangen-Nürnberg

### FIELDS OF INTERESTS

Data Science, Data Engineering, Artificial Intelligence Machine Learning, Deep Learning, Computer Vision

### EDUCATION

**Friedrich-Alexander-Universität Erlangen-Nürnberg**, Erlangen, Deutschland  
M.Sc., Artificial Intelligence **October 2022 - Present**

**University of Tabriz**, (Full Scholarship) Tabriz, Iran  
B.Sc., Computer Engineering **Sep 2018 - April 2022**  
GPA: **18.12** out of 20

**National Organization for Developing Special Talents**, Urmia, Iran  
Pre-university Certificate in Mathematical sciences **June 2018**  
• GPA: 19.05 out of 20  
Diploma Certificate in Mathematics and Physics **June 2017**  
• GPA: 19.40 out of 20

### ACADEMIC EXPERIENCE

- **Teacher assistant** of Discrete Mathematics and Applied Linear Algebra **Feb 2022 - July 2022**  
Course syllabus of Dr. Seyed Amir Mortazavi
- **Bachelor's thesis:** **Sep 2021 - Jan 2022**  
Froth flotation using computer vision algorithms

### WORK EXPERIENCE

- **System Admin Internship** in Information Technology (IT) department of Urmia Petrochemical Company **Feb 2021 - June 2021**

### HONORS AND AWARDS

- Excellent student of University of Tabriz, Ranked **3** out of 80 students **May 2022**
- Top **0.02** among 134183 students in Iranian uni-versity entrance exam (Konkur) **July 2018**

## CERTIFICATES

- **Issued by Stanford Online**
  - Machine Learning
- **Deeplearning.ai**
  - TensorFlow in Practice Specialization
  - Deep Learning Specialization
  - TensorFlow Advanced Techniques Specialization
- **Imperial College London**
  - Mathematics for Machine Learning Specialization
- **University of Michigan**
  - Python for everybody specialization
- **University of California, Santa Cruz**
  - C for Everyone: Programming Fundamentals
- **University of Illinois at Urbana-Champaign**
  - Object-Oriented Data Structures in C++

## PROJECTS

- 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)
- Percolation
- Atomic Nature of Matter
- Travelling salesman problem
- Image Segmentation of Handwritten Digits
- Neural Style Transfer
- NLP emoji detection application

## SKILLS

### Programming Languages

Python (Advance)  
C/C++ (Intermediate)  
SQL (Intermediate)  
HTML, CSS (Intermediate)

### Programming Frameworks

Tensorflow/Keras (Advance)  
Pytorch (Upper-Intermediate)  
Django (intermediate)  
Numpy/ Scipy/ OpenCV  
Scikit Learn/ Pandas

### Soft Skills

Problem solving  
Creative thinking  
Personal impact  
Entrepreneurial drive

## LANGUAGES

### Languages

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

### IELTS IDP

Overall: 7  
Speaking: 7  
Writing: 6.5  
Reading: 7  
Listening: 7.5

### GRE General ETS

Quantitative: 157  
Analytical Writing: 4